



# Fineract Platform Documentation

Version 1.7.2

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# Preface

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## Apache Fineract

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*Table 2. History*

Authors	Description	Date	Version
Aleksandar Vidakovic	Initial version	2020-10-26	1.4.0
Arnold Galovics	Database architecture section	2022-03-11	1.7.0
Aleksandar Vidakovic	Module section	2022-03-23	1.7.0
Aleksandar Vidakovic	Release section, file re-organisation	2022-04-18	1.7.0
Aleksandar Vidakovic	AsciiDoc cheatsheet	2022-05-09	1.7.0

# Introduction

## Platform for Digital Financial Services

Apache Fineract (*'fɪn-ə-,rakt'*) is open source software for financial services.

Fineract provides a reliable, robust, and affordable solution for entrepreneurs, financial institutions, and service providers to offer financial services to the world's 2 billion underbanked and unbanked. Fineract is aimed at innovative mobile and cloud-based solutions, and enables digital transaction accounts for all.

Fineract 1.x is a mature platform with open APIs, while Fineract CN is a cloud native, microservice architecture also supporting open banking APIs.

## About

Apache Fineract can be deployed in any environment: cloud or on-premise. It can support front end interfaces on or offline, mobile or PC. It's extensible enough to support any organizational type or delivery channel, and flexible enough to support any product, service, or lending methodology. For any organization, big or small, it provides the client data management, loan and savings portfolio management, integrated real time accounting, and social and financial reporting needed to bring digital financial services to a modern connected world.

Fineract 1.x compares well to other core banking systems and draws from requirements in credit unions, microfinance institutions, and small non-banking financial institutions. Features include flexible product configuration, KYC documentation support, business rule sets, payment transactions, and portfolio management. It includes an open API that dates to 2011 and is deployed in relatively high transaction volume environments.

Fineract CN operates on the principle that financial services are an innovative space and so each fineract microservice encapsulates a domain that can be combined with other microservices to create new platform offerings. Fineract CN microservices can be combined to create new software platforms for digital financial service providers. Fineract CN is still in its early days, but preliminary tests have shown that a simple single-instance laptop deployment of Fineract CN can process over 1000 transactions/second. Fineract CN also includes a fully Apache-licensed backoffice UI.

Fineract 1.x began incubation at Apache in December 2015 and is used by an active community of companies who build solutions for both financial inclusion and fintech innovation.

## Contribute

The Apache Fineract community welcomes contributors who want to support the Fineract technology. Our community builds everything from this website, to the Fineract code to documentation and best practices information.

We especially welcome additions and corrections to the documentation, wiki, and website to improve the user experience. Bug reports and fixes and additions to the Apache Fineract code are welcome. Helping users learn best practices also earns good karma in our community.

## Mailing Lists

### Users & Developers

If you use, build on top of, deploy or are building contributions and modifications to Apache Fineract, this is the list for you.

To subscribe, send a blank email to [dev-subscribe@fineract.apache.org](mailto:dev-subscribe@fineract.apache.org).

To unsubscribe later, just send a blank email to [dev-unsubscribe@fineract.apache.org](mailto:dev-unsubscribe@fineract.apache.org).

You can also read the archives on [lists.apache.org](http://lists.apache.org) or on [MarkMail.org](http://MarkMail.org).

### Commits

This list receives an email whenever new code is contributed to Apache Fineract.

To subscribe, send a blank email to [commits-subscribe@fineract.apache.org](mailto:commits-subscribe@fineract.apache.org).

You can also read the archives.



# Deployment

## Plugins

Apache Fineract is extensible through plugin JARs ([FINERACT-1177](https://issues.apache.org/jira/browse/FINERACT-1177) [https://issues.apache.org/jira/browse/FINERACT-1177]; based on

[Spring Boot's support](https://docs.spring.io/spring-boot/docs/current/reference/html/appendix-executable-jar-format.html) [https://docs.spring.io/spring-boot/docs/current/reference/html/appendix-executable-jar-format.html]). To launch Fineract with plugin JARs in `libs/*.jar`, use:

```
java -Dloader.path=libs/ -jar fineract-provider.jar
```

The Fineract "Docker" container image's `ENTRYPOINT` uses this, see our [Dockerfile](#). You could therefore build your customized Fineract distribution container image with your own `Dockerfile` using e.g. `FROM apache/fineract:latest` and then drop some plugin JARs into `/app/libs/`.

The WAR distribution does not directly support such plugins, but one could "explode" the WAR and drop JARs into `WEB-INF/lib`; if you know what you are doing, and feel nostalgic of the 1990s still using WARs, instead of the recommended modern Spring Boot distribution.

Here is a list of known 3rd-party plugin projects which can be dropped into `libs/`:

- [github.com/vorburger/fineract-pentaho](https://github.com/vorburger/fineract-pentaho)



The reporting module became our first module experiment out of necessity. We are currently developing a strategy to split up even more internals of Fineract into proper modules. Those that have an incompatible license will be hosted in a separate Git repository (probably on Github under the Mifos organisation). We'll send out an announcement as soon as we have more to say on this topic.

## HTTPS

Because Apache Fineract deals with customer sensitive personally identifiable information (PII), it very strongly encourages all developers, implementors and end-users to always only use HTTPS. This is why it does not run on HTTP even for local development and enforces use of HTTPS.

For this purpose, Fineract includes a built-in default SSL certificate. This cert is intended for development on `localhost`, only. It is not trusted by your browser (because it's self signed).

For production deployments, we recommend running Fineract behind a modern managed cloud native web proxy which includes SSL termination with automatically rotating SSL certificates, either using your favourite cloud provider's respective solution, or locally setting up the equivalent using e.g. something like NGINX combined with [Let's Encrypt](https://letsencrypt.org) [https://letsencrypt.org].

Such products, when correctly configured, add the conventional `X-Forwarded-For` and `X-Forwarded-Proto` HTTP headers, which Fineract (or rather the Spring Framework really) correctly respects since [FINERACT-914 was fixed](https://issues.apache.org/jira/browse/FINERACT-914) [https://issues.apache.org/jira/browse/FINERACT-914].

Alternatively, you could replace the built-in default SSL certificate with one you obtained from a Certificate Authority. We currently do not document how to do this, because we do not recommend this approach, as its cumbersome to configure and support and less secure than a managed auto rotating solution.

The Fineract API client supports an insecure mode (`FineractClient.Builder#insecure()`), and API users such as mobile apps may expose Settings to let end-users accept the self signed certificate. This should always be used for testing only, never in production.

## Docker Compose

TBD

## Application Server

### Tomcat

TBD

### Undertow

TBD

### Jetty

TBD

### JBoss

TBD

### Weblogic

TBD

### Payara

TBD

# Kubernetes

TBD

# AWS

TBD

# Google Cloud

The [www.fineract.dev](http://www.fineract.dev) demo server runs on Google Cloud.

The [Running Fineract.dev, SRE style presentation](https://docs.google.com/presentation/d/1-VP4bNkc5kZ3B0yme_vYLiY1qpswnfz8ainnX5fp3l8/) [https://docs.google.com/presentation/d/1-VP4bNkc5kZ3B0yme\_vYLiY1qpswnfz8ainnX5fp3l8/] given at *ApacheCon 2020* has some related background.

# Apache Software Foundation Infrastructure

We can order a server from Apache's infrastructure team and deploy a demo instance...

TBD

# Architecture

This document captures the major architectural decisions in platform. The purpose of the document is to provide a guide to the overall structure of the platform; where it fits in the overall context of an MIS solution and its internals so that contributors can more effectively understand how changes that they are considering can be made, and the consequences of those changes.

The target audience for this report is both system integrators (who will use the document to gain an understanding of the structure of the platform and its design rationale) and platform contributors who will use the document to reason about future changes and who will update the document as the system evolves.

## History

### The Idea

Fineract was an idea born out of a wish to create and deploy technology that allows the microfinance industry to scale. The goal is to:

- Produce a gold standard management information system suitable for microfinance operations
- Acts as the basis of a platform for microfinance
- Open source, owned and driven by member organisations in the community
- Enabling potential for eco-system of providers located near to MFIs

### Timeline

- 2006: Project initiated by Grameen Foundation
- Late 2011: Grameen Foundation handed over full responsibility to open source community.
- 2012: Mifos X platform started. Previous members of project come together under the name of Community for Open Source Microfinance (COSM / OpenMF)
- 2013: COSM / OpenMF officially rebranded to Mifos Initiative and receive US 501c3 status.
- 2016: Fineract 1.x began incubation at Apache

## Resources

- Project URL is [github.com/apache/fineract](https://github.com/apache/fineract)
- Issue tracker is [issues.apache.org/jira/projects/FINERACT/summary](https://issues.apache.org/jira/projects/FINERACT/summary)
- Download from [fineract.apache.org/](https://fineract.apache.org/)

# System Overview

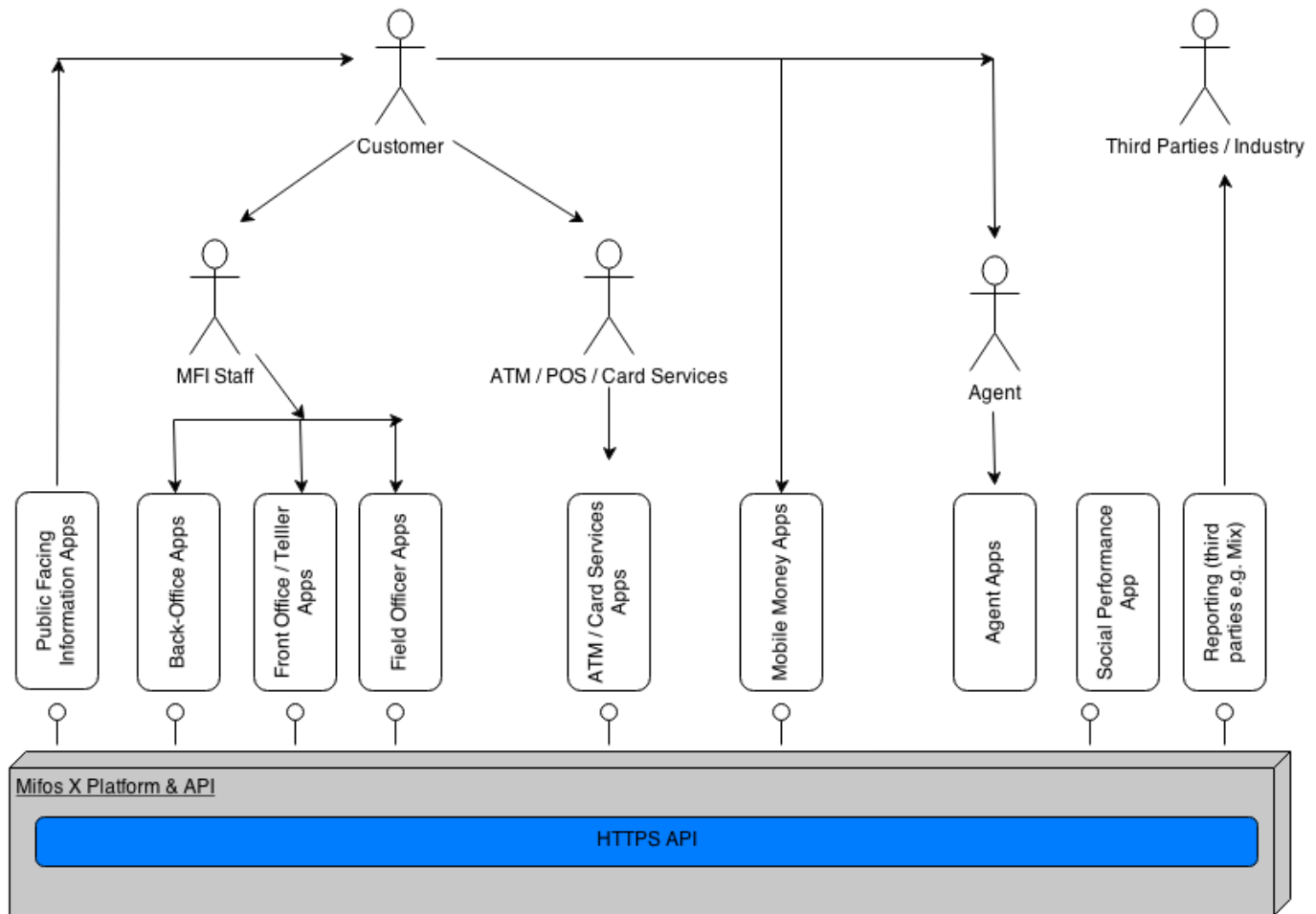


Figure 1. Platform System Overview

Financial institutions deliver their services to customers through a variety of means today.

- Customers can call direct into branches (teller model)
- Customers can organise into groups (or centers) and agree to meetup at a location and time with FI staff (traditional microfinance).
- An FI might have a public facing information portal that customers can use for variety of reasons including account management (online banking).
- An FI might be integrated into a ATM/POS/Card services network that the customer can use.
- An FI might be integrated with a mobile money operator and support mobile money services for customer (present/future microfinance).
- An FI might use third party agents to sell on products/services from other banks/FIs.

As illustrated in the above diagram, the various stakeholders leverage business apps to perform specific customer or FI related actions. The functionality contained in these business apps can be bundled up and packaged in any way. In the diagram, several of the apps may be combined into one

app or any one of the blocks representing an app could be further broken up as needed.

The platform is the core engine of the MIS. It hides a lot of the complexity that exists in the business and technical domains needed for an MIS in FIs behind a relatively simple API. It is this API that frees up app developers to innovate and produce apps that can be as general or as bespoke as FIs need them to be.

## Functional Overview

As ALL capabilities of the platform are exposed through an API, The API docs are the best place to view a detailed breakdown of what the platform does. See online API Documentation.

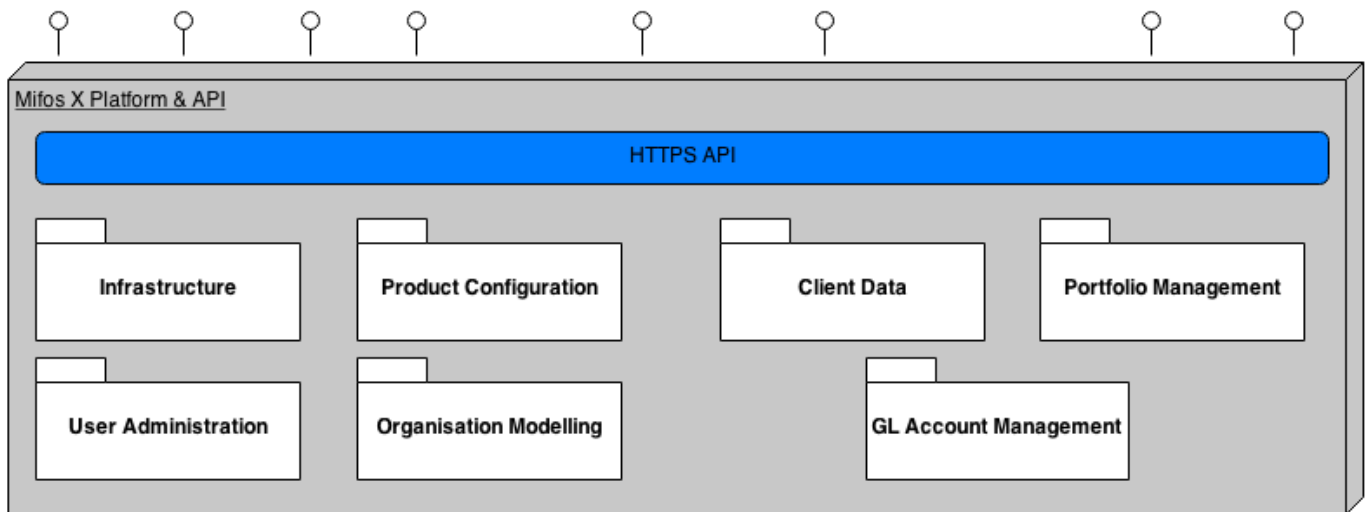


Figure 2. Platform Functional Overview

At a higher level though we see the capabilities fall into the following categories:

- Infrastructure
  - Codes
  - Extensible Data Tables
  - Reporting
- User Administration
  - Users
  - Roles
  - Permissions
- Organisation Modelling
  - Offices
  - Staff
  - Currency

- Product Configuration
  - Charges
  - Loan Products
  - Deposit Products
- Client Data
  - Know Your Client (KYC)
- Portfolio Management
  - Loan Accounts
  - Deposit Accounts
  - Client/Groups
- GL Account Management
  - Chart of Accounts
  - General Ledger

## Principles

### RESTful API

The platform exposes all its functionality via a **practically-RESTful API**, that communicates using JSON.

We use the term **practically-RESTful** in order to make it clear we are not trying to be fully REST compliant but still maintain important RESTful attributes like:

- Stateless: platform maintains no conversational or session-based state. The result of this is ability to scale horizontally with ease.
- Resource-oriented: API is focussed around set of resources using HTTP vocabulary and conventions e.g GET, PUT, POST, DELETE, HTTP status codes. This results in a simple and consistent API for clients.

See online API Documentation for more detail.

### Multi-tenanted

The Fineract platform has been developed with support for multi-tenancy at the core of its design. This means that it is just as easy to use the platform for Software-as-a-Service (SaaS) type offerings as it is for local installations.

The platform uses an approach that isolates an FI's data per database/schema (See Separate Databases and Shared Database, Separate Schemas).

## Extensible

Whilst each tenant will have a set of core tables, the platform tables can be extended in different ways for each tenant through the use of Data tables functionality.

## Command Query Seperation

We seperate **commands** (that change data) from **queries** (that read data).

Why? There are numerous reasons for choosing this approach which at present is not an attempt at full blown CQRS. The main advantages at present are:

- State changing commands are persisted providing an audit of all state changes.
- Used to support a general approach to **maker-checker**.
- State changing commands use the Object-Oriented paradigm (and hence ORM) whilst queries can stay in the data paradigm.

## Maker-Checker

Also known as **four-eyes principal**. Enables apps to support a maker-checker style workflow process. Commands that pass validation will be persisted. Maker-checker can be enabled/disabled at fine-grained level for any state changing API.

Fine grained access control

A fine grained permission is associated with each API. Administrators have fine grained control over what roles or users have access to.

## Package Structure

The intention is for platform code to be packaged in a vertical slice way (as opposed to layers).

Source code starts from [github.com/apache/fineract/tree/develop/fineract-provider/src/main/java/org/apache/fineract](https://github.com/apache/fineract/tree/develop/fineract-provider/src/main/java/org/apache/fineract)

- accounting
- useradministration
- infrastructure
- portfolio
  - charge
  - client
  - fund
  - loanaccount
- accounting



Within each vertical slice is some common packaging structure:

- api - XXXApiResource.java - REST api implementation files
- handler - XXXCommandHandler.java - specific handlers invoked
- service - contains read + write services for functional area
- domain - OO concepts for the functional area
- data - Data concepts for the area
- serialization - ability to convert from/to API JSON for functional area

## Design Overview



The implementation of the platform code to process commands through handlers whilst supporting maker-checker and authorisation checks is a little bit convoluted at present and is an area pin-pointed for clean up to make it easier to on board new platform developers. In the mean time below content is used to explain its workings at present.

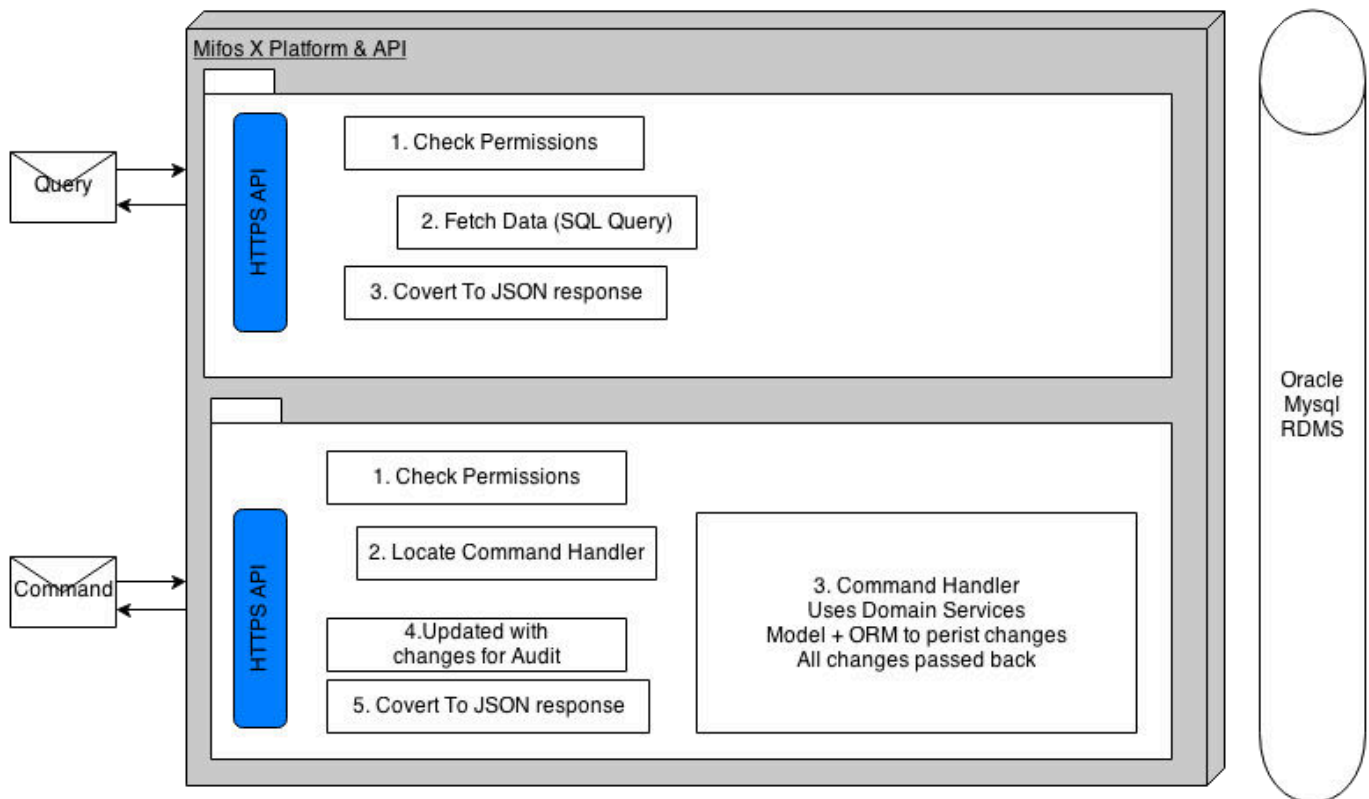


Figure 3. CQRS

Taking into account example shown above for the **users** resource.

- Query: GET /users

- HTTPS API: retrieveAll method on **org.apache.fineract.useradministration.api.UsersApiResource** invoked
- UsersApiResource.retrieveAll: Check user has permission to access this resources data.
- UsersApiResource.retrieveAll: Use 'read service' to fetch all users data ('read services' execute simple SQL queries against Database using JDBC)
- UsersApiResource.retrieveAll: Data returned to converted into JSON response
- Command: POST /users (Note: data passed in request body)
- HTTPS API: create method on **org.apache.fineract.useradministration.api.UsersApiResource** invoked

#### *UsersApiResource.create*

```

@POST
@Operation(summary = "Create a User", description = "Adds new application user.\n" +
"\n"
+ "Note: Password information is not required (or processed). Password
details at present are auto-generated and then sent to the email account given (which is
why it can take a few seconds to complete).\n"
+ "\n" + "Mandatory Fields: \n" + "username, firstname, lastname, email,
officeId, roles, sendPasswordToEmail\n" + "\n"
+ "Optional Fields: \n" +
"staffId,passwordNeverExpires,isSelfServiceUser,clients")
@RequestBody(required = true, content = @Content(schema = @Schema(implementation =
UsersApiResourceSwagger.PostUsersRequest.class)))
@ApiResponses({
    @ApiResponse(responseCode = "200", description = "OK", content = @Content
(schema = @Schema(implementation = UsersApiResourceSwagger.PostUsersResponse.class))) })
@Consumes({ MediaType.APPLICATION_JSON })
@Produces({ MediaType.APPLICATION_JSON })
public String create(@Parameter(hidden = true) final String apiRequestBodyAsJson) {

    final CommandWrapper commandRequest = new CommandWrapperBuilder() //
        .createUser() //
        .withJson(apiRequestBodyAsJson) //
        .build();

    final CommandProcessingResult result = this.commandsSourceWritePlatformService
        .logCommandSource(commandRequest);

    return this.toApiJsonSerializer.serialize(result);

```

*Create a CommandWrapper object that represents this create user command and JSON request body. Pass off responsibility for processing to PortfolioCommandSourceWritePlatformService.logCommandSource*

```

        // maker checker doesnt mean anything here.
        isApprovedByChecker = true; // set to true in case permissions have
                                    // been maker-checker enabled by
                                    // accident.

    } else {
        // if not user changing their own details - check user has
        // permission to perform specific task.
        this.context.authenticatedUser(wrapper).validateHasPermissionTo(wrapper
.getTaskPermissionName());
    }
    validateIsUpdateAllowed();

    final String json = wrapper.getJson();
    CommandProcessingResult result = null;
    JsonCommand command = null;
    int numberOfRetries = 0;
    int maxNumberOfRetries = ThreadLocalContextUtil.getTenant().getConnection()
.getMaxRetriesOnDeadlock();
    int maxIntervalBetweenRetries = ThreadLocalContextUtil.getTenant().getConnection
().getMaxIntervalBetweenRetries();
    final JsonElement parsedCommand = this.fromApiJsonHelper.parse(json);
    command = JsonCommand.from(json, parsedCommand, this.fromApiJsonHelper, wrapper
.getEntityName(), wrapper.getEntityId(),
        wrapper.getSubentityId(), wrapper.getGroupId(), wrapper.getClientId(),
wrapper.getLoanId(), wrapper.getSavingsId(),
        wrapper.getTransactionId(), wrapper.getHref(), wrapper.getProductId(),
wrapper.getCreditBureauId(),
        wrapper.getOrganisationCreditBureauId());
    while (numberOfRetries <= maxNumberOfRetries) {
        try {
            result = this.processAndLogCommandService.processAndLogCommand(wrapper,
command, isApprovedByChecker);
            numberOfRetries = maxNumberOfRetries + 1;
        } catch (CannotAcquireLockException | ObjectOptimisticLockingFailureException
exception) {
            log.info("The following command {} has been retried {} time(s)",
command.json(), numberOfRetries);
            /**
             * Fail if the transaction has been retired for maxNumberOfRetries
             */
            if (numberOfRetries >= maxNumberOfRetries) {
                log.warn("The following command {} has been retried for the max
allowed attempts of {} and will be rolled back",
                    command.json(), numberOfRetries);
                throw exception;
            }
            /**
             * Else sleep for a random time (between 1 to 10 seconds) and continue

```

```

        /**/
        try {
            int randomNum = RANDOM.nextInt(maxIntervalBetweenRetries + 1);
            Thread.sleep(1000 + (randomNum * 1000));
            numberOfRetries = numberOfRetries + 1;
        } catch (InterruptedException e) {
            throw exception;
        }
    } catch (final RollbackTransactionAsCommandIsNotApprovedByCheckerException e)
    {
        numberOfRetries = maxNumberOfRetries + 1;
        result = this.processAndLogCommandService.logCommand(e
        .getCommandSourceResult());
    }
}

return result;
}

@Override
public CommandProcessingResult approveEntry(final Long makerCheckerId) {

    final CommandSource commandSourceInput = validateMakerCheckerTransaction
    (makerCheckerId);
    validateIsUpdateAllowed();
}

```

*Check user has permission for this action. if ok, a) parse the json request body, b) create a JsonCommand object to wrap the command details, c) use CommandProcessingService to handle command*

```

final AppUser maker = this.context.authenticatedUser(wrapper);

CommandSource commandSourceResult = null;
if (command.commandId() != null) {
    commandSourceResult = this.commandSourceRepository.findById(command.
    commandId()).orElse(null);
    commandSourceResult.markAsChecked(maker, ZonedDateTime.now(DateUtils
    .getDateTimeZoneOfTenant()));
} else {
    commandSourceResult = CommandSource.fullEntryFrom(wrapper, command, maker);
}
commandSourceResult.updateResourceId(result.resourceId());
commandSourceResult.updateForAudit(result.getOfficeId(), result.getGroupId(),
result.getClientId(), result.getLoanId(),
    result.getSavingsId(), result.getProductId(), result.getTransactionId());

String changesOnlyJson = null;
boolean rollBack = (rollbackTransaction || result.isRollbackTransaction()) &&

```

```

!isApprovedByChecker;
    if (result.hasChanges() && !rollback) {
        changesOnlyJson = this.toApiJsonSerializer.serializeResult(result.getChanges
());
        commandSourceResult.updateJsonTo(changesOnlyJson);
    }

    if (!result.hasChanges() && wrapper.isUpdateOperation() && !wrapper
.isUpdateDatatable()) {
        commandSourceResult.updateJsonTo(null);
    }

    if (commandSourceResult.hasJson()) {
        this.commandSourceRepository.save(commandSourceResult);
    }

    if ((rollbackTransaction || result.isRollbackTransaction()) &&
!isApprovedByChecker) {
        /*
         * JournalEntry will generate a new transactionId every time. Updating the
transactionId with old
         * transactionId, because as there are no entries are created with new
transactionId, will throw an error
         * when checker approves the transaction
         */
        commandSourceResult.updateTransaction(command.getTransactionId());
        /*
         * Update CommandSource json data with JsonCommand json data, line 77 and 81
may update the json data
         */
        commandSourceResult.updateJsonTo(command.json());
        throw new RollbackTransactionAsCommandIsNotApprovedByCheckerException
(commandSourceResult);
    }
    result.setRollbackTransaction(null);

    publishEvent(wrapper.entityName(), wrapper.actionName(), command, result);

    return result;
}

@Transactional
@Override
public CommandProcessingResult logCommand(CommandSource commandSourceResult) {

    commandSourceResult.markAsAwaitingApproval();
    commandSourceResult = this.commandSourceRepository.saveAndFlush
(commandSourceResult);
}

```

```

        return new CommandProcessingResultBuilder().withCommandId(commandSourceResult
.getId())
                .withEntityId(commandSourceResult.getResourceId()).build();
    }

    private NewCommandSourceHandler findCommandHandler(final CommandWrapper wrapper) {
        NewCommandSourceHandler handler = null;

        if (wrapper.isDatatableResource()) {
            if (wrapper.isCreateDatatable()) {
                handler = this.applicationContext.getBean("createDatatableCommandHandler
", NewCommandSourceHandler.class);
            } else if (wrapper.isDeleteDatatable()) {

```



if a `RollbackTransactionAsCommandIsNotApprovedByCheckerException` occurs at this point. The original transaction will of been aborted and we only log an entry for the command in the audit table setting its status as 'Pending'.

- Check that if maker-checker configuration enabled for this action. If yes and this is not a 'checker' approving the command - rollback at the end. We rollback at the end in order to test if the command will pass 'domain validation' which requires commit to database for full check.
- `findCommandHandler` - Find the correct Hanlder to process this command.
- Process command using handler (In transactional scope).
- `CommandSource` object created/updated with all details for logging to 'm\_portfolio\_command\_source' table.
- In update scenario, we check to see if there where really any changes/updates. If so only JSON for changes is stored in audit log.

## Persistence

TBD

### Database support

Fineract supports multiple databases:

- MySQL compatible databases (e.g. MariaDB)
- PostgreSQL

The platform differentiates between these database types in certain cases when there's a need to use some database specific tooling. To do so, the platform examines the JDBC driver used for running the platform and tries to determine which database is being used.

The currently supported JDBC driver and corresponding mappings can be found below.

JDBC driver class name	Resolved database type
<code>org.mariadb.jdbc.Driver</code>	MySQL
<code>com.mysql.jdbc.Driver</code>	MySQL
<code>org.postgresql.Driver</code>	PostgreSQL

The actual code can be found in the `DatabaseTypeResolver` class.

## Data-access layer

The data-access layer of Fineract is implemented by using JPA (Java Persistence API) with the EclipseLink provider.

Despite the fact that JPA is used quite extensively in the system, there are cases where the performance is a key element for an operation therefore you can easily find native SQLs as well.

The data-access layer of Fineract is compatible with different databases. Since a lot of the native queries are using specific database functions, a wrapper class - `DatabaseSpecificSQLGenerator` - has been introduced to handle these database specifics. Whenever there's a need to rely on new database level functions, make sure to extend this class and implement the specific functions provided by the database.

Fineract has been developed for 10+ years by the community and unfortunately there are places where entity relationships are configured with `EAGER` fetching strategy. This must not confuse anybody. The long-term goal is to use the `LAZY` fetching strategy for every single relationship. If you're about to introduce a new one, make sure to use `LAZY` as a fetching strategy, otherwise your PR will be rejected.

## Database schema migration

As for every system, the database structure will and need to evolve over time. Fineract is no different. Originally for Fineract, Flyway was used until Fineract 1.6.x.

After 1.6.x, PostgreSQL support was added to the platform hence there was a need to make the data-access layer and the schema migration as database independent as possible. Because of that, from Fineract 1.7.0, Flyway is not used anymore but Liquibase is.

Some of the changesets in the Liquibase changelogs have database specifics into it but they only run for the relevant databases. This is controlled by Liquibase contexts.

The currently available Liquibase contexts are:

- `mysql` - only set when the database is a MySQL compatible database (e.g. MariaDB)
- `postgresql` - only set when the database is a PostgreSQL database
- configured Spring active profiles

- `tenant_store_db` - only set when the database migration runs the Tenant Store upgrade
- `tenant_db` - only set when the database migration runs the Tenant upgrade
- `initial_switch` - this is a technical context and should **NOT** be used

The switch from Flyway (1.6.x) to Liquibase (1.7.x) was planned to be as smooth as possible so there's no need for manual work hence the behavior is described as following:

- If the database is empty, Liquibase will create the database schema from scratch
- If the database contains the latest Fineract 1.6.x database structure which was previously migrated with Flyway. Liquibase will seamlessly upgrade it to the latest version. Note: the Flyway related 2 database tables are left as they are and are not deleted.
- If the database contains an earlier version of the database structure than Fineract 1.6.x. Liquibase will **NOT** do anything and **will fail the application during startup**. The proper approach in this case is to first upgrade your application version to the latest Fineract 1.6.x so that the latest Flyway changes are executed and then upgrade to the newer Fineract version where Liquibase will seamlessly take over the database upgrades.

## Validation

### Programmatic

Use the `DataValidatorBuilder` [<https://github.com/apache/fineract/search?q=%22class+DataValidatorBuilder%22>], e.g. like so:

```
new DataValidatorBuilder().resource("fileUpload")
    .reset().parameter("Content-Length").value(contentLength).notBlank()
    .integerGreaterThanNumber(0)
    .reset().parameter("FormDataContentDisposition").value(fileDetails).notNull()
    .throwValidationErrors();
```

Such code is often encapsulated in `*Validator` [<https://github.com/apache/fineract/search?q=Validator>] classes (if more than a few lines, and/or reused from several places; avoid copy/paste), like so:

```
public class YourThingValidator {

    public void validate(YourThing thing) {
        new DataValidatorBuilder().resource("yourThing")
            ...
            .throwValidationErrors();
    }
}
```



## Declarative

[FINERACT-1229]([issues.apache.org/jira/browse/FINERACT-1229](https://issues.apache.org/jira/browse/FINERACT-1229)) is an open issue about adopting Bean Validation for *declarative* instead of *programmatic* (as above) validation. Contributions welcome!

## Technology

- Java: [www.oracle.com/technetwork/java/javase/downloads/index.html](http://www.oracle.com/technetwork/java/javase/downloads/index.html)
- JAX-RS using Jersey
- JSON using Google GSON
- Spring I/O Platform: [spring.io/platform](http://spring.io/platform)
  - Spring Framework
  - Spring Boot
  - Spring Security
  - Spring Data (JPA) backed by EclipseLink
- MySQL: [www.oracle.com/us/products/mysql/overview/index.html](http://www.oracle.com/us/products/mysql/overview/index.html)
- PostgreSQL

TBD

## Modules

Currently modules are a proof of concept feature in Fineract.

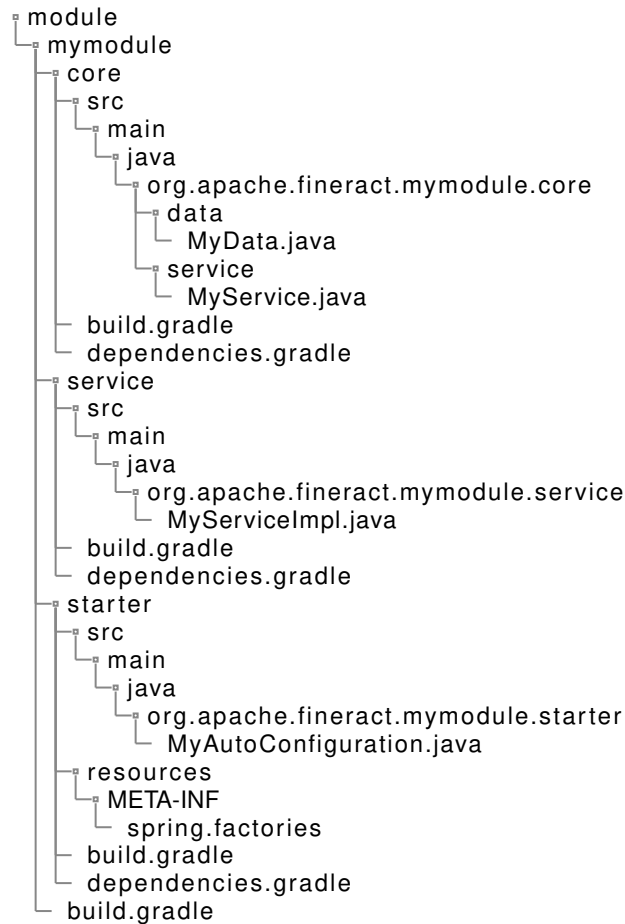
### How to create a Fineract module



At the moment the only module we have that follows these stricter guidelines is the example module we describe in detail in the next section. In the future we will try to split up Fineract's monolithic code base and move features (like loan product, accounts etc.) to separate modules as described here. Before that happens we need to do some code cleanups first.

1. Create a folder under **module** and name it *mymodule*.
2. Create a folder named *core* under **module/mymodule**.
3. Create a folder named *service* under **module/mymodule**.
4. Create a folder named *starter* under **module/mymodule**.
5. Setup folders and Gradle build files for a Java project under **core**, **service** and **starter**.
6. Create a text file called `_spring.factories` in folder `modules/mymodule/starter/src/main/resources/META-INF`.

The final folder and file structure should look somewhat like this:



7. Make sure that your new modules are present in settings.gradle:

```
rootProject.name='fineract'
include ':module:mymodule:core' ①
include ':module:mymodule:service'
include ':module:mymodule:starter'
include ':fineract-provider'
include ':fineract-war'
include ':integration-tests'
include ':twofactor-tests'
include ':oauth2-tests'
include ':fineract-client'
include ':fineract-doc'
```

① The `settings.gradle` file should contain something like this (and following).

## How to replace an existing Fineract service

Creating customizations for Fineract services is easy. The method described here will work both with

our future module guidelines (aka "clean room" modules) and with the intermediary solution we will put in place to avoid major refactorings.

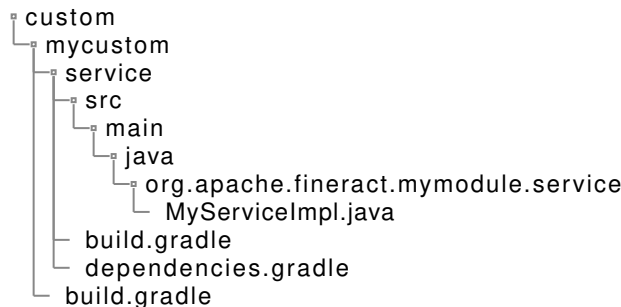
You can of course choose whatever folder/project structure you like for your custom modules. But we'll describe here some best practices to avoid merge conflicts when fetching updates from Fineract's upstream Git repository. For the time being we suggest to create your custom modules in the same folder as Fineract in a forked Git repo.

As soon as we can publish Fineract module JARs to Maven Central you'll have more freedom to setup your projects (including to setup separate Git repos).

1. Create a folder under `custom` and name it `mycustom`.
2. Create a folder named `service` under `custom/mycustom`.
3. Setup folders and Gradle build files for a Java project under `service`.
4. Create a text file called `_spring.factories` in folder `modules/mymodule/starter/src/main/resources/META-INF`:

```
org.springframework.boot.autoconfigure.EnableAutoConfiguration=\
org.apache.fineract.mymodule.starter.MyAutoConfiguration
```

The final folder and file structure should look somewhat like this:



Please make sure that your `service` module's `build.gradle` file has a unique group:

```
description = 'My Company: Fineract My Custom Service'

group = 'com.mycompany.fineract.custom.service' ①

apply from: 'dependencies.gradle'
```

① The best choice here is to name it like you would name your JAR artifact on Maven Central.

5. Make sure that your custom modules are present in `settings.gradle` :

```

rootProject.name='fineract'
include ':custom:mycustom:service' ①
include ':fineract-provider'
include ':fineract-war'
include ':integration-tests'
include ':twofactor-tests'
include ':oauth2-tests'
include ':fineract-client'
include ':fineract-doc'

```

① The `settings.gradle` file should contain something like this.

6. The `dependency.gradle` file could look something like this:

```

dependencies {
    implementation(project(':module:mymodule:core'), ①
        'org.springframework:spring-context')
    compileOnly project(':fineract-provider') ②
}

```

- ① If you are replacing a "clean room" module then you just need to include a dependency on the modules `core` library.
  - ② If you are replacing a service that is not yet extracted from `fineract-provider` then you need to add a dependency on it (only needed during compilation).
1. When the custom module is built then you can add the JAR in your Fineract's libs folder (or in Tomcat's libs folder if you are deploying as a WAR app).



Do not include your custom module in `fineract-provider's` `dependency.gradle` file. This creates a circular dependency and will fail your build. Instead you have to add your JAR file e. g. to the Docker image (in Fineract's libs folder; similar like we do it with Pentaho reporting). This setup will give you the best developer experience for now with proper source references until we have separate JAR files ready on Maven Central. In the next section we describe the "clean room" (read: where we want to go) type of modules and their customization/replacement; so don't be confused if you see the dependency appearing in `fineract-provider's` `dependency.gradle`, in the future you'll be able to do that.

## Example

### Dummy Module Structure

We've created a demonstration how modules are supposed to be used. A module has usually at least two sub-modules:

1. a *core* module that contains mostly Java interfaces of the services and/or other components that we'd like to make replaceable. The *core* module could also contain data (DTO) or domain (entity) classes if necessary.
2. a *service* module



Replacing parts of the existing REST API and extending it with custom endpoints is at the moment out of scope. Probably we'll need to cleanup and improve the REST layer quite a bit (remove boilerplate code as much as possible, use Jackson for JSON de-/serialization instead of the manual GSON mappers/helper everywhere) before this can happen. For now we'll concentrate primarily on service classes.

Let's assume we have a service `DummyService` in our system. The service is outlined as a Java interface in module folder `module/dummy/core`.

```
package org.apache.fineract.dummy.core.service;

import org.apache.fineract.dummy.core.data.DummyMessage;

public interface DummyService {

    DummyMessage getMessage();

}
```

To make it a little bit more interesting the service's only function returns a simple data object that has one string attribute:

```
package org.apache.fineract.dummy.core.data;

public class DummyMessage {

    private String message;

    public DummyMessage(String message) {
        this.message = message;
    }

    public String getMessage() {
        return message;
    }

    public void setMessage(String message) {
        this.message = message;
    }

}
```

A default implementation of `DummyService` is provided with `DummyServiceImpl`:

```
package org.apache.fineract.dummy.service;

import org.apache.fineract.dummy.core.data.DummyMessage;
import org.apache.fineract.dummy.core.service.DummyService;

public class DummyServiceImpl implements DummyService {

    @Override
    public DummyMessage getMessage() {
        return new DummyMessage("Hello: DEFAULT DUMMY!");
    }
}
```

As you can see there are no annotations like `@Service` or `@Component`. To have full control over the instantiation and dependency injection we provide a so called *starter* module. This module just contains one or more (auto-) configuration classes. In this case it's just one configuration class. This is basically a very simple Spring Java configuration class annotated with `@Configuration` containing one method that instantiates our default service implementation (annotated with `@Bean`):

```
package org.apache.fineract.dummy.starter;

import org.apache.fineract.dummy.core.service.DummyService;
import org.apache.fineract.dummy.service.DummyServiceImpl;
import org.springframework.boot.autoconfigure.condition.ConditionalOnMissingBean;
import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;

@Configuration
@ConditionalOnMissingBean(DummyService.class)
public class DummyAutoConfiguration {

    @Bean
    public DummyService dummyService() {
        return new DummyServiceImpl();
    }
}
```

The interesting part is this line:

```
@ConditionalOnMissingBean(DummyService.class)
```

This annotation ensures that our default implementation is only instantiated if no other

implementation for `DummyService` is provided. There's only one piece missing to make auto configuration work seamlessly and without any explicit configuration in `fineract-provider`:

```
org.springframework.boot.autoconfigure.EnableAutoConfiguration=\
org.apache.fineract.dummy.starter.DummyAutoConfiguration
```

This means if we would only include the following dependencies in our main project (e. g. `fineract-provider`)...

```
dependencies {
    implementation project(':module:dummy:core')
    implementation project(':module:dummy:service')
    implementation project(':module:dummy:starter')
}
```

... then the message object would contain

```
Hello: DEFAULT DUMMY!
```

## Replace the default implementation of `DummyService`

This is why we created module `foo` in folder `module/foo`. There's only one sub-module that contains an implementation of `DummyService` that will replace the default implementation:

```
package com.acmecorp.fineract.foo.service;

import org.apache.fineract.dummy.core.data.DummyMessage;
import org.apache.fineract.dummy.core.service.DummyService;
import org.springframework.stereotype.Service;

@Service
public class FooDummyServiceImpl implements DummyService {

    @Override
    public DummyMessage getMessage() {
        return new DummyMessage("Hello: FOO!");
    }
}
```

As you can see we have no other sub-modules (e. g. there's no starter module) and this implementation contains the well known `@Service` annotation. If we add this dependency to our main project...

```
dependencies {  
  implementation project(':module:dummy:core')  
  implementation project(':module:dummy:service')  
  implementation project(':module:dummy:starter')  
  implementation project(':custom:foo:service')  
}
```

... then the expected behavior is that we'll get the message

```
Hello: Foo!
```

## Testing

There's a simple unit test in `fineract-provider` that demonstrates both scenarios (without any override of the default implementation and with an overriding alternative implementation)



```
#
# Licensed to the Apache Software Foundation (ASF) under one
# or more contributor license agreements. See the NOTICE file
# distributed with this work for additional information
# regarding copyright ownership. The ASF licenses this file
# to you under the Apache License, Version 2.0 (the
# "License"); you may not use this file except in compliance
# with the License. You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing,
# software distributed under the License is distributed on an
# "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
# KIND, either express or implied. See the License for the
# specific language governing permissions and limitations
# under the License.
#
```

Feature: Example Modules

@modules

Scenario Outline: Verify that the dummy service returns the correct message

Given A dummy service configuration <configurationClass>

When The user gets the dummy service message

Then The dummy service message should match <message>

Examples:

	configurationClass	message
DUMMY!	org.apache.fineract.module.example.TestDefaultConfiguration	Hello: DEFAULT
	org.apache.fineract.module.example.TestFooConfiguration	Hello: FOO!

Here's the Spring Java configuration that does **NOT** load the **foo** module:

```
package org.apache.fineract.module.example;

import org.apache.fineract.infrastructure.core.config.FineractProperties;
import org.springframework.boot.context.properties.EnableConfigurationProperties;

@EnableConfigurationProperties({ FineractProperties.class })
public class TestDefaultConfiguration {}
```

... and here's the configuration that loads the `foo` module (and overrides the default implementation)

```
package org.apache.fineract.module.example;

import org.apache.fineract.infrastructure.core.config.FineractProperties;
import org.springframework.boot.context.properties.EnableConfigurationProperties;
import org.springframework.context.annotation.ComponentScan;

@EnableConfigurationProperties({ FineractProperties.class })
@ComponentScan("com.acmecorp.fineract.foo")
public class TestFooConfiguration {}
```

The important part in the `foo` configuration is this line:

```
@ComponentScan("com.acmecorp.fineract.foo")
```

## Deployment

Modules (better: the JAR files) only need to be dropped in Fineract's `libs` folder. Dynamic loading of external JARs is provided since Fineract version 1.5.0.

## How can I start replacing services now

As said the "clean room" modules will take a while to arrive. In the meanwhile we'll prepare the existing monolithic code base for pluggability. As a proof of concept the services `org.apache.fineract.portfolio.note.service.NoteReadPlatformService` and `org.apache.fineract.portfolio.note.service.NoteWritePlatformService` can be replaced/overridden by custom implementations. We'll add more shortly and will list them here. Reach out on the mailing list if you need a specific service to be replaceable.

## Outlook

If this proof of concept is accepted we could refactor Fineract's services one by one and rearrange them in the proposed module structure. As discussed at ApacheCon 2021 there will be most likely some work to do to properly extract those modules (loan product, client, savings account etc.) from the monolithic code base. The main challenge are cross-dependencies between the *modules*, but there are major benefits if we split up the code like this. One - as demonstrated - is the replacement of existing default functionality. But with modules we'll also be able to finally publish Fineract JAR files to Maven Central. Those JAR files can be used to write extensions and customizations **WITHOUT** forking the whole Fineract Github repository. With modules users will also be able to create custom Fineract distributions, e. g. slimmed down to contain only the bare minimum needed in production.

# Fineract Development Environment

TBD

## Git

TBD

## GPG

TBD

## Committers

Please make sure to provide your GPG fingerprint in your Apache committer profile at [id.apache.org](https://id.apache.org).

## Docker

TBD

## Docker Compose

TBD

## Podman

TBD

## Rancher Docker Desktop

TBD

## Gradle

TBD

## IDE

TBD

## IntelliJ

TBD

## **Eclipse**

TBD

## **VSCode**

TBD

## **Kubernetes**

TBD

## **Minikube**

TBD

## **Microk8s**

TBD

## **K3d**

TBD

## **Helm Charts**

TBD

## **Tools**

TBD

## **SDKMAN**

We recommend using SKDMAN to manage the following developer tools:

- JDK
- Spring Boot CLI
- Gradle (if you need a global installation)
- AsciiDoctorJ

TBD

**Brew**

**MacOS**

TBD

**Linux**

TBD

# Security

TBD

## OAuth

Fineract has a (basic) OAuth2 support based on Spring Boot Security. Here's how to use it:

### Build

You must re-build the distribution JAR (or WAR) using the special `-Psecurity=oauth` flag:

```
./gradlew bootRun -Psecurity=oauth
```

Downloads from [fineract.apache.org](https://fineract.apache.org), or using e.g. the [hub.docker.com/r/apache/fineract](https://hub.docker.com/r/apache/fineract) container image, or on [www.fineract.dev](https://www.fineract.dev), this will not work, because they have not been built using this flag.

Previous versions of Fineract included a built-in authorisation server for issuing OAuth tokens. However, as the `spring-security-oauth2` package was deprecated and replaced by built-in OAuth support in Spring Security, this is no longer supported as part of the package. Instead, you need to run a separate OAuth authorization server (e.g. [github.com/spring-projects/spring-authorization-server](https://github.com/spring-projects/spring-authorization-server)) or use a 3rd-party OAuth authorization provider ([en.wikipedia.org/wiki/List\\_of\\_OAuth\\_providers](https://en.wikipedia.org/wiki/List_of_OAuth_providers))

This instruction describes how to get Fineract OAuth working with a Keycloak ([keycloak.org](https://keycloak.org)) based authentication provider running in a Docker container. The steps required for other OAuth providers will be similar.

### Set up Keycloak

1. From terminal, run: `'docker run -p 9000:8080 -e KEYCLOAK_USER=admin -e KEYCLOAK_PASSWORD=admin quay.io/keycloak/keycloak:15.0.2'`
2. Go to URL `'http://localhost:9000/auth/admin'` and login with `admin/admin`
3. Hover your mouse over text "Master" and click on "Add realm"
4. Enter name "fineract" for your realm
5. Click on tab "Users" on the left, then "Add user" and create user with username "mifos"
6. Click on tab "Credentials" at the top, and set password to "password", turning "temporary" setting to off
7. Click on tab "Clients" on the left, and create client with ID 'community-app'
8. In settings tab, set 'access-type' to 'confidential' and enter 'localhost' in the valid redirect URIs.
9. In credentials tab, copy string in field 'secret' as this will be needed in the step to request the access

token

Finally we need to change Keycloak configuration so that it uses the username as a subject of the token:

1. Choose client 'community-app' in the tab 'Clients'
2. Go to tab 'Mappers' and click on 'Create'
3. Enter 'usernameInSub' as 'Name'
4. Choose mapper type 'User Property'
5. Enter 'username' into the field 'Property' and 'sub' into the field 'Token Claim Name'. Choose 'String' as 'Claim JSON Type'

You are now ready to test out OAuth:

## Retrieve an access token from Keycloak

```
curl --location --request POST \  
'http://localhost:9000/auth/realms/fineract/protocol/openid-connect/token' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--data-urlencode 'username=mifos' \  
--data-urlencode 'password=password' \  
--data-urlencode 'client_id=community-app' \  
--data-urlencode 'grant_type=password' \  
--data-urlencode 'client_secret=<enter the client secret from credentials tab>'
```

The reply should contain a field 'access\_token'. Copy the field's value and use it in the API call below:

## Invoke APIs and pass **Authorization: bearer ... header**

```
curl --location --request GET \  
'https://localhost:8443/fineract-provider/api/v1/offices' \  
--header 'Fineract-Platform-TenantId: default' \  
--header 'Authorization: bearer <enter the value of the access_token field>'
```



See also [fineract.apache.org/legacy-docs/apiLive.htm#authentication\\_oauth](https://fineract.apache.org/legacy-docs/apiLive.htm#authentication_oauth)

# Testing

TBD

## Cucumber

TBD

### Cucumber Cheatsheet

Cucumber is a test framework based on Behavior-Driven Development (BDD). Tests are written in plain text with very basic syntax rules. These rules form a mini language that is called Gherkin.

A specification resembles spoken language. This makes it ideal for use with non-technical people that have domain specific knowledge. The emphasis of Cucumber lies on finding examples to describe your test cases. The few keywords and language rules are easy to explain to anyone (compared JUnit for example).

#### Keywords

The Gherkin language has the following keywords:

- **Feature**
- **Rule**
- **Scenario Outline** or **Scenario Template**
- **Example** or **Scenario**
- **Examples** or **Scenarios**
- **Background**
- **Given**
- **And**
- **But**
- **When**
- **Then**

There are a couple of additional signs used in Gherkin:

- **|** is as column delimiters in **Examples** tables
- with **@** you can assign any kind of tags to categorize the specs (or e.g. relate them to certain Jira tickets)
- **#** is used to indicate line comments





The tag `@ignore` is used to skip tests. This is a somewhat arbitrary choice (we could use any other tag to indicate temporarily disabled tests).

Each non-empty line of a test specification needs to start with one of these keywords. The text blocks that follows the keywords are mapped to so called step definitions that contain the actual test code.

A typical Cucumber test specification written in Gherkin looks like this:

```
Feature: Template Service
```

```
@template
```

```
Scenario Outline: Verify that mustache templates have expected results
```

```
  Given A mustache template file <template>
```

```
  Given A JSON data file <json>
```

```
  When The user merges the template with data
```

```
  Then The result should match the content of file <result>
```

```
Examples:
```

template	json	result	
hello.mustache	hello.json	hello.txt	
loan.mustache	loan.json	loan.html	
array.loop.mustache	array.json	array.loop.txt	
array.index.mustache	array.json	array.index.txt	

The corresponding step definitions would look like this:

```
package org.apache.fineract.template.service;

import static org.junit.jupiter.api.Assertions.assertEquals;

import com.google.common.reflect.TypeToken;
import com.google.gson.Gson;
import com.google.gson.JsonElement;
import com.google.gson.JsonParser;
import io.cucumber.java8.En;
import java.io.IOException;
import java.lang.reflect.Type;
import java.nio.charset.StandardCharsets;
import java.util.ArrayList;
import java.util.List;
import java.util.Map;
import org.apache.commons.io.IOUtils;
import org.apache.fineract.template.domain.Template;
import org.apache.fineract.template.domain.TemplateMapper;
```

```

public class TemplateServiceStepDefinitions implements En {

    private TemplateMergeService tms = new TemplateMergeService();

    private String template;

    private Map<String, Object> data;

    private String result;

    public TemplateServiceStepDefinitions() {
        Given("/^A mustache template file (.*)$/", (String file) -> {
            template = IOUtils.resourceToString("templates/" + file, StandardCharsets
.UTF_8,
                TemplateServiceStepDefinitions.class.getClassLoader());
        });

        Given("/^A JSON data file (.*)$/", (String file) -> {
            data = parse(IOUtils.resourceToString("templates/" + file, StandardCharsets
.UTF_8,
                TemplateServiceStepDefinitions.class.getClassLoader()));
        });

        When("The user merges the template with data", () -> {
            result = compile(template, data);
        });

        Then("/^The result should match the content of file (.*)$/", (String file) -> {
            String expected = IOUtils.resourceToString("results/" + file,
StandardCharsets.UTF_8,
                TemplateServiceStepDefinitions.class.getClassLoader());
            assertEquals(expected, result);
        });
    }

    private String compile(String templateText, Map<String, Object> scope) throws
IOException {
        List<TemplateMapper> mappers = new ArrayList<>();
        Template template = new Template("TemplateName", templateText, null, null,
mappers);
        return tms.compile(template, scope);
    }

    private Map<String, Object> parse(String data) {
        Gson gson = new Gson();
        Type ssMap = new TypeToken<Map<String, Object>>() {}.getType();
        JsonElement json = JsonParser.parseString(data);
        return gson.fromJson(json, ssMap);
    }
}

```

```
}  
}
```



This example is an actual test specification that you can find in the `fineract-provider` module.

## Feature

This keyword is used to group scenarios and to group related scenarios. All Gherkin specifications must start with the word **Feature**.

## Descriptions

A description is any non-empty line that doesn't start with a keyword. Descriptions can be placed under the keywords:

- **Feature**
- **Rule**
- **Background**
- **Example/Scenario**
- **Scenario Outline**

## Rule

Rule is used to group multiple related scenarios together.

## Example/Scenario

This is the important part of the specification as it should describe the business logic in more detail with the usage of steps (usually **Given**, **When**, **Then**)

## Steps

TBD

## Given

TBD

## When

TBD

## Then

TBD

## And, But

TBD

## Background

TBD

## Scenario Outline

TBD

## Examples/Tables

TBD

## Outlook

As a proof of concept we've converted all unit tests in `fineract-provider` into Cucumber tests. The more interesting part starts when we'll attack the integration tests with over 400 mostly business logic related tests. These tests fit very well in Cucumber's test specification structure (a lot of *if-then-else* or in Gherkin: *Given-When-Then*). Migrating all tests will take a while, but we would already recommend trying to implement tests as Cucumber specifications. It should be relatively easy to convert these tests into the new syntax.

Hopefully this will motivate even more people from the broader Fineract community to participate in the project by sharing their domain specific knowledge as Cucumber specifications. Specifications are written in English (although not a technical requirement).



Have a look at the specifications in `fineract-provider` for an initial inspiration. For more information please see [cucumber.io/docs](https://cucumber.io/docs)

# Unit Testing

TBD

# Integration Testing

TBD

# Fineract Documentation Guide

TBD

## File and Folder Layout

The general rules are

- keep things as flat as possible (avoid sub-folders as much as possible)
- DRY (don't repeat yourself): don't copy and paste code pieces, use AsciiDoc's include feature and reference files/-sections from the project folder
- images are located in `fineract-doc/src/docs/en/images` (or sub-folders)
- diagrams are located in `fineract-doc/src/docs/en/diagrams` (or sub-folders)
- specific chapters are located in `fineract-doc/src/docs/en/chapters`
- every chapter has its own folder and at least one `index.adoc` file
- it's recommended to keep the chapters flat (i. e. no sub-folders in the chapter folders)
- it's recommended to create one file per chapter section; like that you can re-arrange sections very easily in the `index.adoc` file



These rules are not entirely set in stone and could be modified if necessary. If you see any issues then please report them on the [mailing list](mailto:dev@fineract.apache.org) [dev@fineract.apache.org] or [open a Jira ticket](https://issues.apache.org) [https://issues.apache.org].

## AsciiDoc

### Cheatsheet

You can find the definitive manual on AsciiDoc syntax at [AsciiDoc documentation](https://docs.asciidoctor.org/asciidoc/latest) [https://docs.asciidoctor.org/asciidoc/latest]. To help people get started, however, here is a simpler cheat sheet.

### AsciiDoc vs AsciiDoctor (format vs tool)

When we refer to *AsciiDoc* then we mean the language or format that this documentation is written in. AsciiDoc is a markup language similar to Markdown (but more powerful and expressive) designed for technical documentation. You don't need necessarily any specialized editors or tools to write your documentation in AsciiDoc, a plain text editor will do, but there are plenty of choices that give you a better experience (in this documentation we describe the basic usage with AsciiDoc plugins for IntelliJ, Eclipse and VSCode).

AsciiDoctor on the other hand is the command line tool we use to transform documents written in AsciiDoc into HTML and PDF (Epub3 and Docbook are also available). There are three variants

available:

- AsciiDoctor (written in Ruby)
- AsciiDoctor.js (written in JavaScript, often used for browser previews)
- AsciiDoctorJ (Java lib that integrates the Ruby implementation via JRuby, e. g. the AsciiDoctor Gradle plugin is based on that)



Sometimes you will still find documentation related to the original incarnation of AsciiDoc/tor (written in Python). The format evolved quite a bit since then and the tools try to maintain a certain degree of backward compatibility, but there is no guarantee. We prefer to use the latest language specs as documented [here](https://docs.asciidoctor.org/asciidoc/latest) [https://docs.asciidoctor.org/asciidoc/latest].

## Basic AsciiDoc Syntax

### Bold

Put asterisks around text to make it **bold**.



More info at [docs.asciidoctor.org/asciidoc/latest/text/bold](https://docs.asciidoctor.org/asciidoc/latest/text/bold)

### Italics

Use underlines on either side of a string to put text into *italics*.



More info at [docs.asciidoctor.org/asciidoc/latest/text/italic](https://docs.asciidoctor.org/asciidoc/latest/text/italic)

### Headings

Equal signs (=) are used for heading levels. Each equal sign is a level. Each page can **only** have one top level (i.e., only one section with a single =).

Levels should be appropriately nested. During the build, validation occurs to ensure that level 3s are preceded by level 2s, level 4s are preceded by level 3s, etc. Including out-of-sequence heading levels (such as a level 3 then a level 5) will not fail the build, but will produce an error.



More info at [docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/](https://docs.asciidoctor.org/asciidoc/latest/sections/titles-and-levels/)

### Code Examples

Use backticks ` for text that should be monospaced, such as code or a class name in the body of a paragraph.



More info at [docs.asciidoctor.org/asciidoc/latest/text/monospace/](https://docs.asciidoctor.org/asciidoc/latest/text/monospace/)

Longer code examples can be separated from text with **source** blocks. These allow defining the syntax being used so the code is properly highlighted.

#### Example Source Block

```
[source,xml]
<field name="id" type="string" indexed="true" stored="true" required="true"
multiValued="false" />
```

If your code block will include line breaks, put 4 hyphens (----) before and after the entire block.



More info at [docs.asciidoctor.org/asciidoc/latest/verbatim/source-blocks/](https://docs.asciidoctor.org/asciidoc/latest/verbatim/source-blocks/)

#### Source Block Syntax Highlighting

The HTML output uses Rouge to add syntax highlighting to code examples. This is done by adding the language of the code block after the **source**, as shown in the above example source block (**xml** in that case).

Rouge has a long selection of lexers available. You can see the full list at [github.com/rouge-ruby/rouge/wiki/List-of-supported-languages-and-lexers](https://github.com/rouge-ruby/rouge/wiki/List-of-supported-languages-and-lexers). Use one of the valid short names to get syntax highlighting for that language.

Ideally, we will have an appropriate lexer to use for all source blocks, but that's not possible. When in doubt, choose **text**, or leave it blank.

#### Importing Code Snippets from Other Files

The build system has the ability to "include" snippets located in other files — even non-AsciiDoc files such as **\*.java** source code files.

We've configured a global attribute called **{rootdir}** that you can use to reference these files consistently from Fineract's project root folder.

Snippets are bounded by *tag* comments placed at the start and end of the section you would like to import. Opening tags look like: **// tag::snippetName[]**. Closing tags follow the format: **// end::snippetName[]**.

Snippets can be inserted into an **.adoc** file using an **include** directive, following the format: **include::{rootdir}/<directory-under-root-folder>/<file-name>[tag=snippetName]**.



You could also use relative paths to reference include files, but it is preferred to always use the root folder as a starting point. Like this you can be sure that the preview in your editor of choice works.

For example, if we wanted to highlight a specific section of the following Cucumber test definition

(more on that in section Cucumber Testing) `ClasspathDuplicatesStepDefinitions.java` file located under `fineract-provider/src/test/java/org/apache/fineract/infrastructure/classpath/`.

```
[source,java,indent=0]
----
include::{rootdir}/fineract-
provider/src/test/java/org/apache/fineract/infrastructure/classpath/ClasspathDuplicatesSt
epDefinitions.java[tag=then]
----
```

For more information on the `include` directive, see the documentation at [docs.asciidoctor.org/asciidoc/latest/directives/include](https://docs.asciidoctor.org/asciidoc/latest/directives/include).

### Block Titles

Titles can be added to most blocks (images, source blocks, tables, etc.) by simply prefacing the title with a period (.). For example, to add a title to the source block example above:

```
.Example ID field
[source,xml]
<field name="id" type="string" indexed="true" stored="true" required="true"
multiValued="false" />
```



More info at [docs.asciidoctor.org/asciidoc/latest/blocks/add-title](https://docs.asciidoctor.org/asciidoc/latest/blocks/add-title)

### Links

#### Link to Sites on the Internet

When converting content to HTML, Asciidoctor will automatically render many link types (such as `http:` and `mailto:`) without any additional syntax. However, you can add a name to a link by adding the URI followed by square brackets:

```
http://fineract.apache.org/[Fineract Website]
```



More info at [docs.asciidoctor.org/asciidoc/latest/macros/url-macro](https://docs.asciidoctor.org/asciidoc/latest/macros/url-macro)

#### Link to Other Pages/Sections of the Guide

A warning up front, linking to other pages can be a little painful. There are slightly different rules depending on the type of link you want to create, and where you are linking from. The build process includes a validation for *internal* or *inter-page* links, so if you can build the docs locally, you can use that to verify you constructed your link properly. With all the below examples, you can add text to



display as the link title by putting the display text in brackets after the link, as in:

```
xref:indexing-guide:schema-api.adoc#modify-the-schema[Modify the Schema]
```

You can also use the title of the Page or Section you are linking to by using an empty display text. This is useful in case the title of the page or section changes. In that case you won't need to change the display text for every link that refers to that page/section.

See an example below:

```
xref:indexing-guide:schema-api.adoc#modify-the-schema[]
```

### Link to a Section on the Same Page

To link to an anchor (or section title) on the *same page*, you can simply use double angle brackets (<< >>) around the anchor/heading/section title you want to link to. Any section title (a heading that starts with equal signs) automatically becomes an anchor during conversion and is available for deep linking.

#### Example

If I have a section on a page that looks like this (from `process.adoc`):

```
== Steps
```

Common parameters for all steps are:

To link to this section from another part of the same `process.adoc` page, I simply need to put the section title in double angle brackets, as in:

See also the <<Steps>> section.

The section title will be used as the display text; to customize that add a comma after the the section title, then the text you want used for display.



More info at [docs.asciidoctor.org/asciidoc/latest/macros/xref/#internal-cross-references](https://docs.asciidoctor.org/asciidoc/latest/macros/xref/#internal-cross-references)

### Link to a Section with an Anchor ID

When linking to any section (on the same page or another one), you must also be aware of any pre-defined anchors that may be in use (these will be in double brackets, like `[[ ]]`).

When the page is converted, those will be the references your link needs to point to.

## Example

Take this example from `configsets-api.adoc`:

```
[[configsets-create]]  
== Create a ConfigSet
```

To link to this section, there are two approaches depending on where you are linking from:

- From the same page, simply use the anchor name: `<<configsets-create>>`.
- From another page, use the page name and the anchor name: `xref:configuration-guide:configsets-api.adoc#configsets-create[]`.

## Link to Another Page

To link to *another page* or a section on another page, you must refer to the full filename and refer to the section you want to link to.

When you want to refer the reader to another page without deep-linking to a section, Asciidoctor allows this by merely omitting the `#` and section id.

## Example

To construct a link to the `process.adoc` page, we need to refer to the file name (`process.adoc`), as well as the module that the file resides in (`release/`).

It's preferred to also always use the page name to give the reader better context for where the link goes.

As in:

```
For more about upgrades, see xref:release:process.adoc[Fineract Release Process].
```

## Link to Another Page in the same folder

If the page that contains the link and the page being linked to reside in the same module, there is no need to include the module name after `xref:`

## Example

To construct a link to the `process-step01.adoc` page from `process.adoc` page, we do not need to include the module name because they both reside in the `upgrade-notes` module.

```
For more information on the first step of the release process, see the section  
\xref:process-step01.adoc[].
```

## Link to a Section on Another Page

Linking to a section is the same conceptually as linking to the top of a page, you just need to take a little extra care to format the anchor ID in your link reference properly.

When you link to a section on another page, you must make a simple conversion of the title into the format of the section ID that will be created during the conversion. These are the rules that transform the sections:

### Example

TBD



More info at [docs.asciidoctor.org/asciidoc/latest/macros/inter-document-xref](https://docs.asciidoctor.org/asciidoc/latest/macros/inter-document-xref)

## Ordered and Unordered Lists

AsciiDoc supports three types of lists:

- Unordered lists
- Ordered lists
- Labeled lists

Each type of list can be mixed with the other types. So, you could have an ordered list inside a labeled list if necessary.

### Unordered Lists

Simple bulleted lists need each line to start with an asterisk (\*). It should be the first character of the line, and be followed by a space.



More info at [docs.asciidoctor.org/asciidoc/latest/lists/unordered](https://docs.asciidoctor.org/asciidoc/latest/lists/unordered)

### Ordered Lists

Numbered lists need each line to start with a period (.). It should be the first character of the line, and be followed by a space. This style is preferred over manually numbering your list.



More info at [docs.asciidoctor.org/asciidoc/latest/lists/ordered](https://docs.asciidoctor.org/asciidoc/latest/lists/ordered)

### Description Lists

These are like question & answer lists or glossary definitions.

Each line should start with the list item followed by double colons (::), then a space or new line. Labeled lists can be nested by adding an additional colon (such as :::, etc.). If your content will span multiple paragraphs or include source blocks, etc., you will want to add a plus sign (+) to keep the sections together for your reader.



We prefer this style of list for parameters because it allows more freedom in how you present the details for each parameter. For example, it supports ordered or unordered lists inside it automatically, and you can include multiple paragraphs and source blocks without trying to cram them into a smaller table cell.



More info at [docs.asciidoctor.org/asciidoc/latest/lists/description](https://docs.asciidoctor.org/asciidoc/latest/lists/description)

## Images

There are two ways to include an image: inline or as a block. Inline images are those where text will flow around the image. Block images are those that appear on their own line, set off from any other text on the page. Both approaches use the `image` tag before the image filename, but the number of colons after `image` define if it is inline or a block. Inline images use one colon (`image:`), while block images use two colons (`image::`). Block images automatically include a caption label and a number (such as **Figure 1**). If a block image includes a title, it will be included as the text of the caption. Optional attributes allow you to set the alt text, the size of the image, if it should be a link, float and alignment. We have defined a global attribute `{imagesdir}` to standardize the location for all images (`fineract-doc/src/docs/en/images`).



More info at [docs.asciidoctor.org/asciidoc/latest/macros/images](https://docs.asciidoctor.org/asciidoc/latest/macros/images)

## Tables

Tables can be complex, but it is pretty easy to make a basic table that fits most needs.

### Basic Tables

The basic structure of a table is similar to Markdown, with pipes (|) delimiting columns between rows:

```
|===  
| col 1 row 1 | col 2 row 1 |  
| col 1 row 2 | col 2 row 2 |  
|===
```

Note the use of `|===` at the start and end. For basic tables that's not exactly required, but it does help to delimit the start and end of the table in case you accidentally introduce (or maybe prefer) spaces between the rows.

### Header Rows

To add a header to a table, you need only set the `header` attribute at the start of the table:

```
[options="header"]
|===
| header col 1 | header col 2|
| col 1 row 1 | col 2 row 1|
| col 1 row 2 | col 2 row 2|
|===
```

### Defining Column Styles

If you need to define specific styles to all rows in a column, you can do so with the attributes.

This example will center all content in all rows:

```
[cols="2*^" options="header"]
|===
| header col 1 | header col 2|
| col 1 row 1 | col 2 row 1|
| col 1 row 2 | col 2 row 2|
|===
```

Alignments or any other styles can be applied only to a specific column. For example, this would only center the last column of the table:

```
[cols="2*,^" options="header"]
|===
| header col 1 | header col 2|
| col 1 row 1 | col 2 row 1|
| col 1 row 2 | col 2 row 2|
|===
```



*Many more examples of formatting:*

- Columns: [docs.asciidoctor.org/asciidoc/latest/tables/add-columns/](https://docs.asciidoctor.org/asciidoc/latest/tables/add-columns/)
- Cells and rows: [docs.asciidoctor.org/asciidoc/latest/tables/add-cells-and-rows/](https://docs.asciidoctor.org/asciidoc/latest/tables/add-cells-and-rows/)

### More Options

Tables can also be given footer rows, borders, and captions. You can determine the width of columns, or the width of the table as a whole.

CSV or DSV can also be used instead of formatting the data in pipes.



More info at [docs.asciidoctor.org/asciidoc/latest/tables/build-a-basic-table/](https://docs.asciidoctor.org/asciidoc/latest/tables/build-a-basic-table/)

## Admonitions (Notes, Warnings)

AsciiDoc supports several types of callout boxes, called "admonitions":

- NOTE
- TIP
- IMPORTANT
- CAUTION
- WARNING

It is enough to start a paragraph with one of these words followed by a colon (such as **NOTE:**). When it is converted to HTML, those sections will be formatted properly - indented from the main text and showing an icon inline.

You can add titles to admonitions by making it an admonition block. The structure of an admonition block is like this:

```
.Title of Note
[NOTE]
====
Text of note
=====
```

In this example, the type of admonition is included in square brackets (**[NOTE]**), and the title is prefixed with a period. Four equal signs give the start and end points of the note text (which can include new lines, lists, code examples, etc.).



More info at [docs.asciidoctor.org/asciidoc/latest/blocks/admonitions/](https://docs.asciidoctor.org/asciidoc/latest/blocks/admonitions/)

## STEM Notation Support

We have set up the Ref Guide to be able to support STEM notation whenever it's needed.

The [AsciiMath](http://asciimath.org/) [http://asciimath.org/] syntax is supported by default, but LaTeX syntax is also available.

To insert a mathematical formula inline with your text, you can simply write:

```
stem:[a//b]
```

MathJax.js will render the formula as proper mathematical notation when a user loads the page. When the above example is converted to HTML, it will look like this to a user: **a//b**

To insert LaTeX, preface the formula with **latexmath** instead of **stem**:

```
latexmath:[tp \leq 1 - (1 - \sin^{\{rows\}})^{\{bands\}}]
```

Long formulas, or formulas which should to be set off from the main text, can use the block syntax prefaced by **stem** or **latexmath**:

```
[stem]
++++
sqrt(3x-1)+(1+x)^2 < y
++++
```

or for LaTeX:

```
[latexmath]
++++
[tp \leq 1 - (1 - \sin^{\{rows\}})^{\{bands\}}]
++++
```



More info at [docs.asciidoctor.org/asciidoc/latest/stem/stem](https://docs.asciidoctor.org/asciidoc/latest/stem/stem)

## Diagrams

TBD



[docs.asciidoctor.org/diagram-extension/latest](https://docs.asciidoctor.org/diagram-extension/latest)

## PlantUML Cheatsheet

TBD



[plantuml.com](https://plantuml.com)

## C4 Cheatsheet

TBD



[c4model.com](https://c4model.com) and [github.com/plantuml-stdlib/C4-PlantUML](https://github.com/plantuml-stdlib/C4-PlantUML)

## Archimate Cheatsheet

TBD



[www.opengroup.org/archimate-forum/archimate-overview](http://www.opengroup.org/archimate-forum/archimate-overview)  
[archimate-diagram](#)

and [plantuml.com/](http://plantuml.com/)

## Vega Cheatsheet

TBD



[vega.github.io/vega-lite/](http://vega.github.io/vega-lite/)

## Editor

TBD

### IntelliJ IDEA

#### Asciidoc

See: [plugins.jetbrains.com/plugin/7391-asciidoc](http://plugins.jetbrains.com/plugin/7391-asciidoc)

#### PlantUML

See: [plugins.jetbrains.com/plugin/7017-plantuml-integration](http://plugins.jetbrains.com/plugin/7017-plantuml-integration)

### Eclipse

#### Asciidoc

See: [marketplace.eclipse.org/content/asciidoceditor-editor](http://marketplace.eclipse.org/content/asciidoceditor-editor)

#### PlantUML

See: [plantuml.com/eclipse](http://plantuml.com/eclipse)

### VSCode

#### Asciidoc

See: [marketplace.visualstudio.com/items?itemName=asciidoceditor.asciidoceditor-vscode](http://marketplace.visualstudio.com/items?itemName=asciidoceditor.asciidoceditor-vscode)

#### PlantUML

See: [marketplace.visualstudio.com/items?itemName=jebbs.plantuml](http://marketplace.visualstudio.com/items?itemName=jebbs.plantuml)



# Antora

See: [antora.org/](https://antora.org/)

TBD

# Releases

[How to Release Apache Fineract](https://cwiki.apache.org/confluence/x/DRwIB) [https://cwiki.apache.org/confluence/x/DRwIB] documents the process how we make the source code that is available here in this Git repository into a binary release tar.gz available on [fineract.apache.org](https://fineract.apache.org).

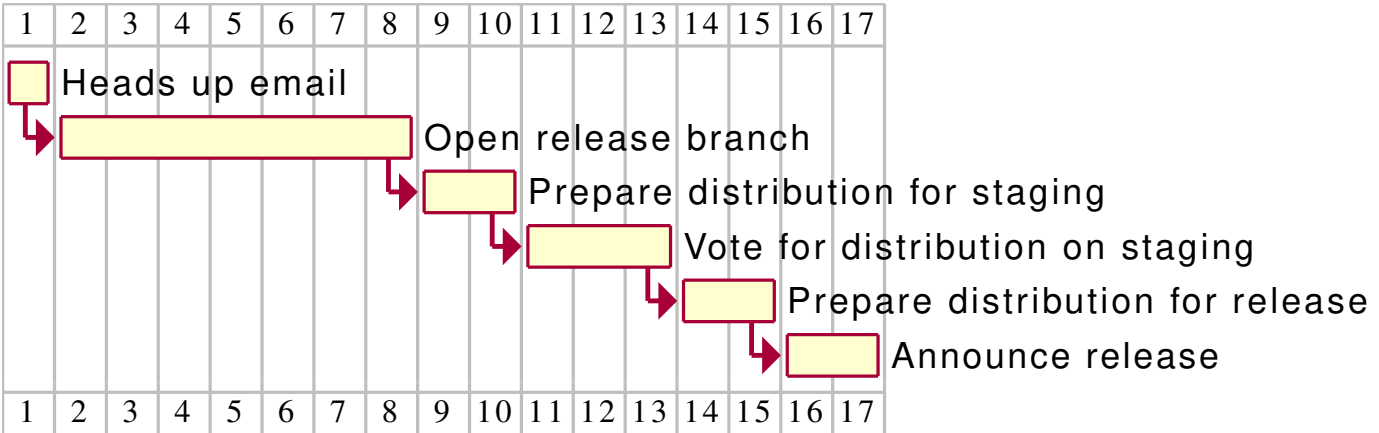


Figure 4. Release Schedule

## Configuration

Before you can start using the Fineract release plugin to create releases you have to configure and setup a couple of things first.

- All official communication concerning releases happens on the [mailing list](mailto:dev@fineract.apache.org) [dev@fineract.apache.org]. Every release manager needs to be a member of and engaging on the mailing list for credibility.
- Make sure you have edit permissions on the [Apache Confluence Wiki](https://cwiki.apache.org/confluence/display/FINERACT) [https://cwiki.apache.org/confluence/display/FINERACT]
- You need full permissions on [Apache JIRA](https://issues.apache.org/jira) [https://issues.apache.org/jira] to be able to move issues to the next release
- Git committer privileges to be allowed to create tags and the release branch
- Familiarity with building Fineract locally and creating release distributions is required
- You need to be a member of the PMC to be able to upload release artifacts; this task can be delegated though
- A general Familiarity with PGP/GPG is recommended (at least to setup your keypairs), but the release plugin does most of the heavy lifting
- Make sure to read the release plugin documentation for troubleshooting

## Secrets

TBD

## Infrastructure Team

A couple of secrets for third party services are automatically configured by the infrastructure team at The Apache Foundation for the Fineract Github account. At the moment this includes environment variables for:

- Github token (e. g. to publish Github Pages, use the Github API in Github Actions)
- Docker Hub token (to publish our Docker images)
- Sonar Cloud token (for our code quality reports)

See also:

- [infra.apache.org/github-pages.html](https://infra.apache.org/github-pages.html)
- [cwiki.apache.org/confluence/display/INFRA/Github+Actions+to+DockerHub](https://cwiki.apache.org/confluence/display/INFRA/Github+Actions+to+DockerHub)
- [github.com/apache/jmeter-site-preview](https://github.com/apache/jmeter-site-preview)
- [github.com/apache/fineract-site](https://github.com/apache/fineract-site)
- [github.com/apache/systemds-website/blob/main/.asf.yaml](https://github.com/apache/systemds-website/blob/main/.asf.yaml)

## Lastpass

It seems that Apache has some kind of org account or similar. Popped up a couple of times in the infrastructure documentation.

TBD

## 1Password

Other Fineract development related secrets, e. g. for deployments of demo systems on Google Cloud, AWS etc. are managed in a team account at 1Password. At the moment the following committers are members of the 1Password team account:

- [Ed Cable](mailto:edcable@apache.org) [edcable@apache.org]
- [Michael Vorburcher](mailto:vorburcher@apache.org) [vorburcher@apache.org]
- [Petri Tuomola](mailto:ptuomola@apache.org) [ptuomola@apache.org]
- [Arnold Galovics](mailto:arnold@apache.org) [arnold@apache.org]
- [Aleksandar Vidakovic](mailto:aleks@apache.org) [aleks@apache.org]



If you need access or have any questions related to those secrets then please reach out to one of the team members.

## GPG

Generate GPG key pairs if you don't already have them and publish them. Please use your Apache

email address when creating your GPG keypair. If you already have configured GPG and associated your keypair with a non-Apache email address then please consider creating a separate one just for all things related to Fineract (or Apache in general).

#### Instructions:

##### 1. Check your GPG version:

*Input GPG version*

```
gpg --version
```

*Output GPG version*

```
gpg (GnuPG) 2.2.27
libgcrypt 1.9.4
Copyright (C) 2021 Free Software Foundation, Inc.
License GNU GPL-3.0-or-later <https://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Home: /home/aleks/.gnupg
Supported algorithms:
Pubkey: RSA, ELG, DSA, ECDH, ECDSA, EDDSA
Cipher: IDEA, 3DES, CAST5, BLOWFISH, AES, AES192, AES256, TWOFISH,
        CAMELLIA128, CAMELLIA192, CAMELLIA256
Hash: SHA1, RIPEMD160, SHA256, SHA384, SHA512, SHA224
Compression: Uncompressed, ZIP, ZLIB, BZIP2
```



The insecure hash algorithm SHA1 is still supported in version 2.2.27. SHA1 is obsolete and you don't want to use it to generate your signature.

##### 2. Generate your GPG key pair:

*Input generate GPG key pair*

```
gpg --full-gen-key
```

*Output generate GPG key pair (step 1: key type selection)*

```
gpg (GnuPG) 2.2.27; Copyright (C) 2021 Free Software Foundation, Inc.  
This is free software: you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law.
```

```
Please select what kind of key you want:
```

- (1) RSA and RSA (default)
- (2) DSA and Elgamal
- (3) DSA (sign only)
- (4) RSA (sign only)
- (14) Existing key from card

```
Your selection?
```

There are four options. The default is to use RSA to create the key pair. Good enough for us.

*Output generate GPG key pair (step 2: key length selection)*

```
RSA keys may be between 1024 and 4096 bits long.  
What keysize do you want? (2048)
```

The default key length is 2048 bits. 1024 is obsolete and a longer 4096 RSA key will not provide more security than 2048 RSA key. Use the default.

*Output generate GPG key pair (step 3: validity selection)*

```
Requested keysize is 2048 bits  
Please specify how long the key should be valid.  
0 = key does not expire  
<n> = key expires in n days  
<n>w = key expires in n weeks  
<n>m = key expires in n months  
<n>y = key expires in n years  
Key is valid for? (0)2y
```

2 years for the validity of your keys should be fine. You can always update the expiration time later on.

*Output generate GPG key pair (step 4: confirmation)*

```
Key expires at Sun 16 Apr 2024 08:10:24 PM UTC  
Is this correct? (y/N)y
```

Confirm if everything is correct.

*Output generate GPG key pair (step 5: provide user details)*

```
GnuPG needs to construct a user ID to identify your key.  
Real name: Aleksandar Vidakovic  
Email address: aleks@apache.org  
Comment:
```

Provide your user details for the key. This is important because this information will be included in our key. It's one way of indicating who is owner of this key. The email address is a unique identifier for a person. You can leave Comment blank.

*Output generate GPG key pair (step 6: user ID selection)*

```
You selected this USER-ID:  
"Aleksandar Vidakovic <aleks@apache.org>"  
Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit? 0
```

Select **Okay**.

After the selection of your user ID GPG will ask for a passphrase to protect your private key. Maybe time to open your password manager and generate a secure one and save it in your vault. Once you've confirmed your password GPG will start to generate your keys.



Don't lose your private key password. You won't be able to unlock and use your private key without it.

*Output generate GPG key pair (step 7: gpg key pair generation)*

```
We need to generate a lot of random bytes. It is a good idea to perform  
some other action (type on the keyboard, move the mouse, utilize the  
disks) during the prime generation; this gives the random number  
generator a better chance to gain enough entropy.
```

Generating the GPG keys will take a while.

Output generate GPG key pair (step 8: gpg key pair finished)

```
gpg: key 7890ABCD marked as ultimately trusted ①
gpg: directory '/home/aleks/.gnupg/openpgp-revocs.d' created
gpg: revocation certificate stored as '/home/aleks/.gnupg/openpgp-
revocs.d/ABCDEFGH IJKLMNOPQRSTUVWXYZ1234567890ABCD.rev' ②
public and secret key created and signed.

gpg: checking the trustdb
gpg: marginals needed: 3 completes needed: 1 trust model: PGP
gpg: depth: 0 valid: 1 signed: 0 trust: 0-, 0q, 0n, 0m, 0f, 1u
gpg: next trustdb check due at 2024-04-16
pub rsa2048/7890ABCD 2022-04-16 [S] [expires: 2024-04-16] ③
Key fingerprint = ABCD EFGH IJKL MNOP QRST UVWX YZ12 3456 7890 ABCD ④
uid [ultimate] Aleksandar Vidakovic <aleks@apache.org> ⑤
sub rsa2048/4FGHIJ56 2022-04-16 [] [expires: 2024-04-16]
```

- ① GPG created a unique identifier in HEX format for your public key. When someone wants to download your public key, they can refer to it either with your email address or this HEX value.
- ② GPG created a revocation certificate and its directory. You should never share your private key. If your private key is compromised, you need to use your revocation certificate to revoke your key.
- ③ The public key is 2048 bits using RSA algorithm and shows the expiration date of 16 Apr 2024. The public key ID **7890ABCD** matches the last 8 bits of key fingerprint.
- ④ The key fingerprint (**ABCD EFGH IJKL MNOP QRST UVWX YZ12 3456 7890 ABCD**) is a hash of your public key.
- ⑤ Your name and your email address are shown with information about the subkey.

Now you can find that there are two files created under `~/.gnupg/private-keys-v1.d/` directory. These two files are binary files with `.key` extension.

### 3. Export your public key:

```
gpg --armor --export aleks@apache.org > pubkey.asc
```

### 4. Export Your Private Key:

```
gpg --export-secret-keys --armor aleks@apache.org > privkey.asc
```

### 5. Protect Your Private Key and Revocation Certificate

Your private key should be kept in a safe place, like an encrypted flash drive. Treat it like your house key. Only you can have it and don't lose it. And you must remember your passphrase,

otherwise you can't unlock your private key.

You should protect your revocation certificate. Anyone in possession of your revocation certificate, could immediately revoke your public/private key pair and generate fake ones.



Please contact a PMC member to add your GPG public key in Fineract's Subversion repository. This is necessary to be able to validate published releases.

#### 1. Upload your GPG key to a keyserver:

```
gpg --send-keys ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890ABCD
```

Before doing this, make sure that your default keyserver is `hkp://keyserver.ubuntu.com/`. You can do this by changing the default keyserver in `~/.gnupg/dirmngr.conf`:

```
keyserver hkp://keyserver.ubuntu.com/
```

Alternatively you can provide the keyserver with the send command:

```
gpg --keyserver 'hkp://keyserver.ubuntu.com:11371' --send-keys  
ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890ABCD
```

Another option to publish your key is to submit an armored public key directly at [keyserver.ubuntu.com/](https://keyserver.ubuntu.com/). You can create the necessary data with this command by providing the email address that you used when you created your key pair:

```
gpg --armor --export aleks@apache.org
```

Output:

```
-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
mQINBF8iGq0BEADGRqeSs0oNDc1sV3L9sQ34KhmoQrACnMYGztx33TD98aWplu1+  
jm8uGtMmBus4DJJJap1bVQ1oMehw2mscmDHpfJjLNZ/q+vUqbExx1/CER7XvLryN  
<--- snip --->  
2nHBuBftxDRpDHQ+O5XYwSDSTDMmthPjx0vJGBH4K1k08XK99e01A6/oYLV2SMKp  
gXXeWjafxBmHT1cM8hoBZBYzgTu9nK5Un1lWunfaHXiCBG4oQQ==  
=85/F  
-----END PGP PUBLIC KEY BLOCK-----
```

= Email



Official communication related to releases needs to be done with an Apache email address. The Apache Foundation doesn't provide any real email inboxes anymore and just relays emails to your configured private account (GMail etc.).



At the moment we are supporting only GMail accounts. Please let us know if you have other configuration recipes for other email providers.

## GMail

You can configure your GMail account and add another profile to use the Apache relay server if you need to send official messages. Please follow these instructions:

TBD.

See also: [Send mail from another address without "on behalf of"](https://gmail.googleblog.com/2009/07/send-mail-from-another-address-without.html) [https://gmail.googleblog.com/2009/07/send-mail-from-another-address-without.html]

To be able to send emails via SMTP with your GMail account you probably need to create an app password. Please follow these instructions:

1. Go to your Google Account.
2. Select Security.
3. Under "Signing in to Google," select App Passwords. You may need to sign in. If you don't have this option, it might be because:
4. 2-Step Verification is not set up for your account.
5. 2-Step Verification is only set up for security keys.
6. Your account is through work, school, or other organization.
7. You turned on Advanced Protection.
8. At the bottom, choose Select app and choose the app you using and then Select device and choose the device you're using and then Generate.
9. Follow the instructions to enter the App Password. The App Password is the 16-character code in the yellow bar on your device.
10. Tap Done.

See also: [Google Support: Sign in with App Passwords](https://support.google.com/accounts/answer/185833?p=InvalidSecondFactor&visit_id=637856439524128323-869822459&rd=1) [https://support.google.com/accounts/answer/185833?p=InvalidSecondFactor&visit\_id=637856439524128323-869822459&rd=1] for more details.

## Gradle

TBD

## User Properties

There are a couple of properties that contain committer/release manager related secrets. Please add the following properties to your personal global Gradle properties (you will find them at `~/.gradle/gradle.properties` in your home folder).

```
fineract.config.gnupg.keyName=ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890ABCD①
fineract.config.gnupg.password=*****
fineract.config.gnupg.publicKeyring=~/.gnupg/pubring.kbx②
fineract.config.gnupg.secretKeyring=~/.gnupg/secring.gpg
fineract.config.smtp.username=aleks@gmail.com ③
fineract.config.smtp.password=*****
fineract.config.name=Aleksandar Vidakovic
fineract.config.email=aleks@apache.org
fineract.config.username=aleks ④
fineract.config.password=*****
```

- ① Make sure you use the full GPG key name (you can list yours via `gpg --list-secret-keys --keyid-format=long`)
- ② GnuPG has it's own kbx format to store the public key ring. At the moment we are only supporting this format
- ③ Currently we only have instructions for GMail
- ④ Apache committer credentials



**Never** add any personal secrets in the project `gradle.properties`. Double check that you are not accidentally committing them to Git!

## Release Plugin

Creating Apache Fineract releases was a very manual and tedious procedure before we created the Gradle release plugin. It was easy - even with documentation - to forget a detail. Some ideas are borrowed from the excellent [JReleaser](https://jreleaser.org) [https://jreleaser.org] tool. Unfortunately at the moment we can't use it for the full release process. Being an Apache project we have certain requirements that are not fully covered by [JReleaser](https://jreleaser.org) [https://jreleaser.org].

## Release Plugin Configuration

```
config {
    username = "${findProperty('fineract.config.username')}}"
    password = "${findProperty('fineract.config.password')}}"

    doc {
        url = 'git@github.com:apache/fineract-site.git'
        directory = "${System.getProperty("java.io.tmpdir")}/fineract-site"
```

```

    branch = "asf-site"
}
git {
    dir = "${projectDir.absolutePath}/.git"
    sections = [
        [
            section: "user",
            name: "name",
            value: "${findProperty('fineract.config.name')}}",
        ],
        [
            section: "user",
            name: "email",
            value: "${findProperty('fineract.config.email')}}",
        ],
        [
            section: "user",
            name: "signingkey",
            value: "${findProperty('fineract.config.gnupg.keyName')}}",
        ],
        [
            section: "commit",
            name: "gpgsign",
            value: "true",
        ],
    ],
}
template {
    templateDir = "${projectDir}/buildSrc/src/main/resources"
}
pgp {
    keyName = "${findProperty('fineract.config.gnupg.keyName')}}"
    publicKeyring = "${findProperty('fineract.config.gnupg.publicKeyring')}}"
    secretKeyring = "${findProperty('fineract.config.gnupg.secretKeyring')}}"
    password = "${findProperty('fineract.config.gnupg.password')}}"
}
smtp {
    host = 'smtp.gmail.com'
    username = "${findProperty('fineract.config.smtp.username')}}"
    password = "${findProperty('fineract.config.smtp.password')}}"
    tls = true
    ssl = true
}
subversion {
    username = "${findProperty('fineract.config.username')}}"
    password = "${findProperty('fineract.config.password')}}"
    revision = 'HEAD'
}
}

```

```
jira {  
    url = 'https://issues.apache.org/jira/rest/api/2/'  
    username = "${findProperty('fineract.config.username')}}"  
    password = "${findProperty('fineract.config.password')}}"  
}  
confluence {  
    url = 'https://cwiki.apache.org/confluence/rest/api/'  
    username = "${findProperty('fineract.config.username')}}"  
    password = "${findProperty('fineract.config.password')}}"  
}  
}
```

## Release Process

TODO:

- create "Jira anchor ticket" with all issues linked that are going into this release.
- maintenance: continuously update the "Jira anchor ticket" to make sure we catch all ticket changes
- maintenance: list tickets that have discrepancies, e. g. tickets still open while associated PR merged, ticket on wrong version (i. e. associated PR already merged before with another release).

TBD



Consider the Gradle plugin commands an experimental feature!

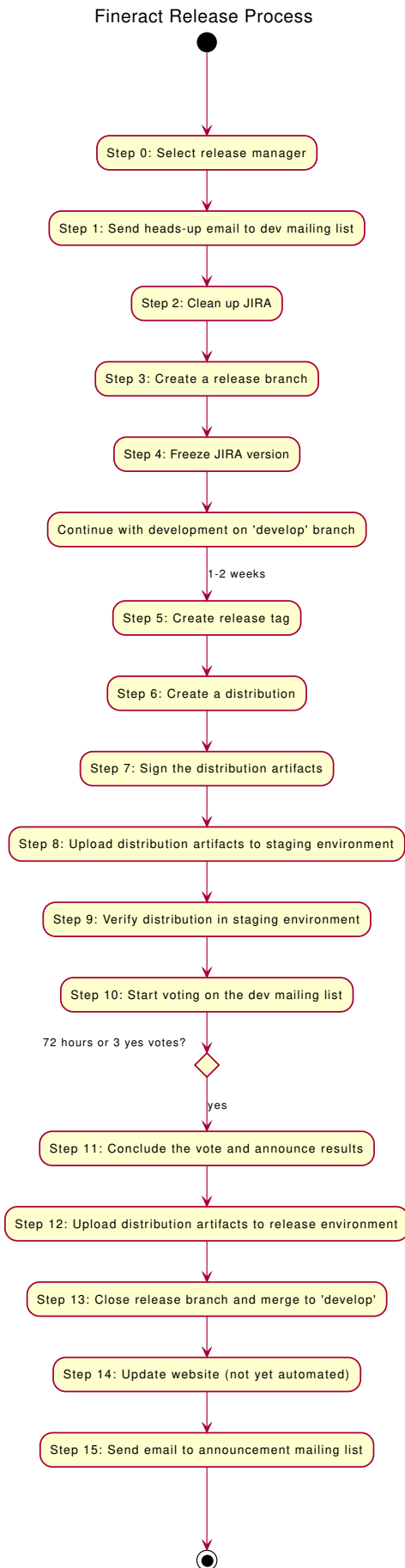


Figure 5. Release Process Diagram

## Step 1: Heads-Up Email

### Description

The RM should, if one doesn't already exist, first create a new release umbrella issue in JIRA. This issue is dedicated to tracking (a summary of) any discussion related to the planned new release. An example of such an issue is FINERACT-873 - Release Apache Fineract v1.4.0 RESOLVED.

The RM then creates an list of resolved issues & features through an initial check in JIRA for already resolved issues for the release, and then setup a timeline for release branch point. The time for the day the issue list is created to the release branch point must be at least two weeks in order to give the community a chance to prioritize and commit any last minute features and issues they would like to see in the upcoming release.

The RM must then send the pointer to the umbrella issue along with the tentative timeline for branch point to the developer lists. Any work identified as release related that needs to be completed should be added as a sub tasks of the umbrella issue to allow all developers and users to see the overall release progress in one place. The umbrella issue shall also link to any issues still requiring clarification whether or not they will make it into the release.

The RM should then inform users when the git branch is planned to be created, by sending an email based on this template:

[FINERACT] [PROPOSAL] □ New release \${project['fineract.release.version']}

Hello everyone,

... based on our "How to Release Apache Fineract" process documented at <https://cwiki.apache.org/confluence/x/DRwIB>:

I will create a \${project['fineract.release.version']} branch off develop in our git repository at <https://github.com/apache/fineract> on \${project['fineract.release.date']}.

The release tracking umbrella issue for tracking all activity in JIRA is FINERACT-\${project['fineract.release.issue']!0000}  
([https://issues.apache.org/jira/browse/FINERACT-\\${project\['fineract.release.issue'\]!0000}](https://issues.apache.org/jira/browse/FINERACT-${project['fineract.release.issue']!0000})) for this Fineract \${project['fineract.release.version']}.

If you have any work in progress that you would like to see included in this release, please add "blocking" links to the release JIRA issue.

I am the release manager for this release.

Cheers,

\${project['fineract.config.name']}

□ Powered by Fineract Release Plugin □

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep1 -Pfineract.release.issue=1234  
-Pfineract.release.date="Monday, April 25, 2022" -Pfineract.release.version=1.7.2
```

## Step 2: Clean Up JIRA

### Description

Before a release is done, make sure that any issues that are fixed have their fix version setup correctly.

project = FINERACT and resolution = fixed and fixVersion is empty

Move all unresolved JIRA issues which have this release as Fix Version to the next release

```
project = FINERACT and fixVersion = 1.7.2 and status not in ( Resolved, Done, Accepted, Closed )
```

You can also run the following query to make sure that the issues fixed for the to-be-released version look accurate:

```
project = FINERACT and fixVersion = 1.7.2
```

Finally, check out the output of the JIRA release note tool to see which tickets are included in the release, in order to do a sanity check.

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep2 -Pfineract.release.version=1.7.2
```



This task is not yet automated!

## Step 3: Create Release Branch

### Description

Communicate with the community. You do not need to start a new email thread on the developer mailing list to notify that you are about to branch, just do it ca. 2 weeks after the initial email, or later, based on the discussion on the initial email.

You do not need to ask committers to hold off any commits until you have branched finished, as it's always possible to fast-forward the branch to latest develop, or cherry-pick last minute changes to it. People should be able to continue working on the develop branch on bug fixes and great new features for the next release while the release process for the current release is being worked through.

1. Clone fresh repository copy

```
% git clone git@github.com:apache/fineract.git  
% cd fineract
```

2. Check that current HEAD points to commit on which you want to base new release branch. Checkout a particular earlier commit if not.



```
% git log ①
```

- ① Check current branch history. HEAD should point to commit that you want to be base for your release branch

3. Create a new release branch with name "\$Version"

```
% git checkout -b 1.7.2
```

4. Push new branch to Apache Fineract repository

```
% git push origin 1.7.2
```

5. Add new release notes in Release Folders. The change list can be swiped from the JIRA release note tool (use the "text" format for the change log). See JIRA Cleanup above to ensure that the release notes generated by this tool are what you are expecting.
6. Send an email announcing the new release branch on the earlier email thread

```
[FINERACT] [ANNOUNCE] □ ${project['fineract.release.version']} release branch
```

Hello everyone,

... as previously announced, I've just created the release branch for our upcoming \${project['fineract.release.version']} release.

You can continue working and merging PRs to the develop branch for future releases, as always.

The DRAFT release notes are on [https://cwiki.apache.org/confluence/display/FINERACT/\\${project\['fineract.release.version'\]}+-+Apache+Fineract](https://cwiki.apache.org/confluence/display/FINERACT/${project['fineract.release.version']}+-+Apache+Fineract). Does anyone see anything missing?

Does anyone have any last minutes changes they would like to see cherry-picked to branch \${project['fineract.release.version']}, or are we good go and actually cut the release based on this branch as it is?

I'll initiate the final stage of actually creating the release on \${project['fineract.release.date']} if nobody objects.

Cheers,

```
${project['fineract.config.name']}
```

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep3 -Pfineract.release.date="Monday, May 10, 2022"
-Pfineract.release.version=1.7.2
```

## Step 4: Freeze JIRA

### Description

You first need to close the release in JIRA so that the about to be released version cannot be used as "fixVersion" for new bugs anymore. Go to JIRA "Administer project" page and follow "Versions" in left menu. Table with list of all releases should appear, click on additional menu on the right of your release and choose "Release" option. Submit release date and you're done.

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep4
```



This task is not yet automated!

## Step 5: Create Release Tag

### Description

Next, you create a git tag from the HEAD of the release's git branch.

```
% git checkout 1.7.2
% ./gradlew clean integrationTests ①
% git tag -a 1.7.2 -m "Fineract 1.7.2 release"
% git push origin 1.7.2
```

① Run additionally manual tests with the community app.



It is important to create so called annotated tags (vs. lightweight) for releases.

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep5 -Pfineract.release.version=1.7.2
```

## Step 6: Create Distribution

### Description

Create source and binary artifacts. Make sure to do some sanity checks. The tar and the release branch should match.

```
% cd /fineract-release-preparations ①
% tar -xvf apache-fineract-1.7.2-src.tar.gz
% git clone <a href="https://git-wip-us.apache.org/repos/asf/fineract.git"
class="bare">git-wip-us.apache.org/repos/asf/fineract.git</a>
% cd fineract/
% git checkout tags/1.7.2
% cd ..
% diff -r fineract apache-fineract-1.7.2-src
```

① Do a fresh clone of the tag.

Make sure code compiles and tests pass on the uncompressed source.

```
% cd apache-fineract-1.7.2-src/fineract-provider ①
% gradlew clean integrationTest ②
% gradlew clean build ③
% gradlew rat ④
```

① Make sure prerequisites are met before running these commands.

② For running integration tests

③ For building deploy able war

④ For RAT checks

### Gradle Task

#### Command

```
% ./gradlew fineractReleaseStep6
```

## Step 7: Sign Distribution

### Description

All release artifacts must be signed. In order to sign a release you will need a PGP key. You should get your key signed by a few other people. You will also need to receive their keys from a public key server. See the Apache release signing page for more details. Please follow the steps defined in Release Sign.

```
% gpg --armor --output apache-fineract-1.7.2-src.tar.gz.asc --detach-sig apache-fineract-1.7.2-src.tar.gz
% gpg --print-md MD5 apache-fineract-1.7.2-src.tar.gz > apache-fineract-1.7.2-src.tar.gz.md5
% gpg --print-md SHA512 apache-fineract-1.7.2-src.tar.gz > apache-fineract-1.7.2-src.tar.gz.sha512
% gpg --armor --output apache-fineract-1.7.2-binary.tar.gz.asc --detach-sig apache-fineract-1.7.2-binary.tar.gz
% gpg --print-md MD5 apache-fineract-1.7.2-binary.tar.gz > apache-fineract-1.7.2-binary.tar.gz.md5
% gpg --print-md SHA512 apache-fineract-1.7.2-binary.tar.gz > apache-fineract-1.7.2-binary.tar.gz.sha512
```

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep7
```

## Step 8: Upload Distribution Staging

### Description

Finally create a directory with release name (1.7.2 in this example) in [dist.apache.org/repos/dist/dev/fineract](https://dist.apache.org/repos/dist/dev/fineract) and add the following files in this new directory:

- apache-fineract-1.7.2-binary.tar.gz.sha
- apache-fineract-1.7.2-binary.tar.gz
- apache-fineract-1.7.2-binary.tar.gz.asc
- apache-fineract-1.7.2-binary.tar.gz.md5
- apache-fineract-1.7.2-src.tar.gz.sha
- apache-fineract-1.7.2-src.tar.gz
- apache-fineract-1.7.2-src.tar.gz.asc
- apache-fineract-1.7.2-src.tar.gz.md5

Upload binary and source archives to ASF's distribution dev (staging) area:

```
% svn co <a href="https://dist.apache.org/repos/dist/dev/fineract/"  
class="bare">dist.apache.org/repos/dist/dev/fineract/</a> fineract-dist-dev  
% mkdir fineract-dist-dev/1.7.2  
% cp fineract/build/distributions/* fineract-dist-dev/1.7.2/  
% svn commit
```



You will need your ASF Committer credentials to be able to access the Subversion host [dist.apache.org](https://dist.apache.org) via.

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep8 -Pfineract.release.version=1.7.2
```

## Step 9: Verify Distribution Staging

### Description

Following are the typical things we need to verify before voting on a release candidate. And the release manager should verify them too before calling out a vote.

Make sure release artifacts are hosted at [dist.apache.org/repos/dist/dev/fineract](https://dist.apache.org/repos/dist/dev/fineract)

- Release candidates should be in format apache-fineract-1.7.2-binary.tar.gz
- Verify signatures and hashes. You may have to import the public key of the release manager to verify the signatures. (`gpg --recv-key <key id>`)
- Git tag matches the released bits (`diff -rf`)
- Can compile successfully from source
- Verify DISCLAIMER, NOTICE and LICENSE (year etc)
- All files have correct headers (Rat check should be clean - `gradlew rat`)
- No jar files in the source artifacts
- Integration tests should work

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep9 -Pfineract.release.version=1.7.2
```



This task is not yet automated!

## Step 10: Start Vote

### Description

Voting has to be done on [dev@fineract.apache.org](mailto:dev@fineract.apache.org). You can close the vote after voting period expires (72 hours) and you accumulate sufficient votes (minimum 3 x +1 PMC votes).

```
[FINERACT] [VOTE] [] ${project['fineract.release.version']} for release
```

Hello everyone,

... we have created Apache Fineract `${project['fineract.release.version']}` release, with the artifacts below up for a vote.

It fixes the following issues:

[https://cwiki.apache.org/confluence/display/FINERACT/\\${project\['fineract.release.version'\]}+-+Apache+Fineract](https://cwiki.apache.org/confluence/display/FINERACT/${project['fineract.release.version']}+-+Apache+Fineract)

Source & Binary files :

[https://dist.apache.org/repos/dist/dev/fineract/\\${project\['fineract.release.version'\]}/](https://dist.apache.org/repos/dist/dev/fineract/${project['fineract.release.version']}/)

Tag to be voted on (rc#):

[https://gitbox.apache.org/repos/asf?p=fineract.git;a=commit;h=refs/heads/\\${project\['fineract.release.version'\]}](https://gitbox.apache.org/repos/asf?p=fineract.git;a=commit;h=refs/heads/${project['fineract.release.version']})

Fineract's KEYS containing the PGP key we used to sign the release:

<https://dist.apache.org/repos/dist/dev/fineract/KEYS>

Note that this release contains source and binary artifacts.

This vote will be open for 72 hours:

[ ] +1 approve

[ ] +0 no opinion

[ ] -1 disapprove (and reason why)

Cheers,

`${project['fineract.config.name']}`

### Gradle Task

```
% ./gradlew fineractReleaseStep10 -Pfineract.release.version=1.7.2
```

## Step 11: Finish Vote

### Description

Upon receiving 3 x +1 from the PMC, or after 72 hours (whichever one comes first), reply to the voting thread and add the prefix "[RESULT]" to the subject line with the results, as follows:

```
[FINERACT] [VOTE] [RESULT] 00 ${project['fineract.release.version']} for release
```

```
<#if (project['fineract.vote'].approve.binding?size +
project['fineract.vote'].approve.nonBinding?size >
project['fineract.vote'].disapprove.binding?size +
project['fineract.vote'].disapprove.nonBinding?size)>
Voting is now closed and has passed with the following tally,
```

```
Binding +1s: ${project['fineract.vote'].approve.binding?size}
Non binding +1s: ${project['fineract.vote'].approve.nonBinding?size}
```

```
<#else>
```

```
Voting is now closed and has not passed with the following tally,
```

```
Binding +1s: ${project['fineract.vote'].approve.binding?size}
Non binding +1s: ${project['fineract.vote'].approve.nonBinding?size}
```

```
Binding -1s: ${project['fineract.vote'].disapprove.binding?size}
Non binding -1s: ${project['fineract.vote'].disapprove.nonBinding?size}
</#if>
```

Here are the detailed results:

```
<#list project['fineract.vote'].approve.binding>
```

```
Binding +1s:
```

```
    <#items as item>
```

```
- ${item.name} (${item.email})
```

```
    </#items>
```

```
</#list>
```

```
<#list project['fineract.vote'].approve.nonBinding>
```

```
Non binding +1s:
```

```
    <#items as item>
```

```
- ${item.name} (${item.email})
```

```
    </#items>
```

```

</#list>

<#list project['fineract.vote'].disapprove.binding>
Binding -1s:
    <#items as item>
    - ${item.name} (${item.email})
    </#items>
</#list>

<#list project['fineract.vote'].disapprove.nonBinding>
Non binding -1s:
    <#items as item>
    - ${item.name} (${item.email})
    </#items>
</#list>

<#list project['fineract.vote'].noOpinion.binding>
Binding +0s:
    <#items as item>
    - ${item.name} (${item.email})
    </#items>
</#list>

<#list project['fineract.vote'].noOpinion.nonBinding>
Non binding +0s:
    <#items as item>
    - ${item.name} (${item.email})
    </#items>
</#list>

<#if (project['fineract.vote'].approve.binding?size +
project['fineract.vote'].approve.nonBinding?size >
project['fineract.vote'].disapprove.binding?size +
project['fineract.vote'].disapprove.nonBinding?size)>
Thanks to everyone who voted! I'll now continue with the rest of the release process.
<#else>
Thanks to everyone who voted! Looks like we have to repeat the vote.
</#if>

${project['fineract.config.name']}

```

## Gradle Task



### Command

```
% ./gradlew fineractReleaseStep11 -Pfineract.release.version=1.7.2
```

## Step 12: Upload Distribution Release

### Description

In order to release you have to checkout release repository located on [dist.apache.org/repos/dist/release/fineract](https://dist.apache.org/repos/dist/release/fineract) and add release artifacts there.

```
% svn co <a href="https://dist.apache.org/repos/dist/release/fineract"
class="bare">dist.apache.org/repos/dist/release/fineract</a> fineract-release
% mkdir fineract-release/1.7.2/
% cp fineract-dist-dev/1.7.2/* fineract-release/1.7.2/
% svn add fineract-release/1.7.2/
% svn commit -m "Fineract Release 1.7.2" fineract-release/1.7.2/
```

You will now get an automated email from the Apache Reporter Service ([no-reply@reporter.apache.org](mailto:reply@reporter.apache.org)), subject "Please add your release data for 'fineract'" to add the release data (version and date) to the database on [reporter.apache.org/addrelease.html?fineract](https://reporter.apache.org/addrelease.html?fineract) (requires PMC membership).

### Gradle Task

### Command

```
% ./gradlew fineractReleaseStep12 -Pfineract.release.version=1.7.2
```

## Step 13: Close Release Branch

### Description

As discussed in [FINERACT-1154](https://issues.apache.org/jira/browse/FINERACT-1154) [https://issues.apache.org/jira/browse/FINERACT-1154], now that everything is final, please do the following to remove the release branch (and just keep the tag), and make sure that everything on the release tag is merged to develop and that e.g. git describe works:

```
% git checkout develop
% git branch -D 1.7.2
% git push origin :1.7.2
% git checkout develop
% git checkout -b merge-1.7.2
% git merge -s recursive -Xignore-all-space 1.7.2 ①
% git commit
% git push $USER
% hub pull-request
```

① Manually resolve merge conflicts, if any

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep13 -Pfineract.release.version=1.7.2
```



This task is not yet automated!

## Step 14: Update website

### Description

Finally update the [fineract.apache.org](https://fineract.apache.org) website with the latest release details. The website's HTML source code is available at [github.com/apache/fineract-site](https://github.com/apache/fineract-site).



This step is not yet updated. We are working on a static site generator setup.

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep14 ①
```

① Currently doing nothing. Will trigger in the future the static site generator and publish on Github.



This task is not yet automated!

## Step 15: Announcement Email

### Description

Send an email to [announce@apache.org](mailto:announce@apache.org) (sender address must be [@apache.org](mailto:@apache.org)):

[ANNOUNCE] Apache Fineract \${project['fineract.release.version']} Release

The Apache Fineract project is pleased to announce the release of Apache Fineract \${project['fineract.release.version']}. The release is available for download from <https://fineract.apache.org/#downloads>

Fineract provides a reliable, robust, and affordable solution for entrepreneurs, financial institutions, and service providers to offer financial services to the world's 2 billion underbanked and unbanked. Fineract is aimed at innovative mobile and cloud-based solutions, and enables digital transaction accounts for all.

This release addressed \${project['fineract.release.issues']?size} issues.

Readme:

[https://github.com/apache/fineract/blob/\\${project\['fineract.release.version'\]}/README.md](https://github.com/apache/fineract/blob/${project['fineract.release.version']}/README.md)

Release page:

[https://cwiki.apache.org/confluence/display/FINERACT/\\${project\['fineract.release.version'\]}+-+Apache+Fineract](https://cwiki.apache.org/confluence/display/FINERACT/${project['fineract.release.version']}+-+Apache+Fineract)

List of fixed issues:

[https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=\\${project\['fineract.release.versionId'\]}&styleName=Html&projectId=\\${project\['fineract.release.projectId'\]}](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=${project['fineract.release.versionId']}&styleName=Html&projectId=${project['fineract.release.projectId']})

For more information on Apache Fineract please visit project home page: <https://fineract.apache.org>

The Apache Fineract Team

## Gradle Task

### Command

```
% ./gradlew fineractReleaseStep15 -Pfineract.release.version=1.7.2
```

## Publish Release Artifacts



More on releases at the ASF see [www.apache.org/legal/release-policy.html#distribute-raw-artifact](http://www.apache.org/legal/release-policy.html#distribute-raw-artifact)

## Requirements

You need to have your GPG keypairs properly set up. The JAR release artifacts (currently only **fineract-**

client) are signed with a Gradle plugin just before being uploaded to the Maven repository. Please make sure that the following properties are set in your private `gradle.properties` file in your home folder:

```
signing.keyId=7890ABCD
signing.password=*****
signing.secretKeyRingFile=~/.gnupg/secring.gpg
```

This is quite similar to the Fineract release plugin properties for GPG. In one of the next release we'll merge these two setups to avoid this duplicated configuration.

## Maven Repository

We are using the ASF's official [Nexus Maven repository](https://repository.apache.org) [https://repository.apache.org] to publish our snapshot and release artifacts.



Find more information at [infra.apache.org/publishing-maven-artifacts.html](https://infra.apache.org/publishing-maven-artifacts.html)

## NPM Registry

For convenience we will be using Github Packages to publish Fineract's Typescript API client.

TBD

## Docker Hub

TBD

# Fineract SDKs

TBD

## Generate Apache Fineract API Client

Apache Fineract supports client code generation using [OpenAPI Generator](https://openapi-generator.tech) [https://openapi-generator.tech]. It uses [OpenAPI Specification Version 3.0.3](https://swagger.io/specification/) [https://swagger.io/specification/].

### Fineract SDK Java API Client

The `fineract-client.jar` will eventually be available on Maven Central (watch [FINERACT-1102](https://issues.apache.org/jira/browse/FINERACT-1102) [https://issues.apache.org/jira/browse/FINERACT-1102]). Until it is, you can quite easily build the latest and greatest version locally from source, see below.

The `FineractClient` [https://github.com/apache/fineract/search?q=FineractClient.java] is the entry point to the *Fineract SDK Java API Client*. `Calls` [https://github.com/apache/fineract/search?q=Calls.java] is a convenient and recommended utility to simplify the use of the `retrofit2.Call` [https://square.github.io/retrofit/2.x/retrofit/retrofit2/Call.html] type which all API operations return. This permits you to use the API like the `FineractClientDemo` [https://github.com/search?l=&q=repo%3Aapache%2Ffineract+filename%3AFineractClientDemo.java&type=code] illustrates:

```
import org.apache.fineract.client.util.FineractClient;
import static org.apache.fineract.client.util.Calls.ok;

FineractClient fineract = FineractClient.builder().baseUrl(
    "https://demo.fineract.dev/fineract-provider/api/v1/").tenant("default")
    .basicAuth("mifos", "password").build();
List<RetrieveOneResponse> staff = Calls.ok(fineract.staff.retrieveAll16(1L, true,
    false, "ACTIVE"));
String name = staff.get(0).getDisplayName();
```

### Generate API Client

The API client is built as part of the standard overall Fineract Gradle build. The client JAR can be found in `fineract-client/build/libs` as `fineract-client.jar`.

If you need to save time to incrementally work on making small changes to Swagger annotations in an IDE, you can execute e.g. the following line in root directory of the project to exclude non-require Gradle tasks:

```
./gradlew -x compileJava -x compileTest -x spotlessJava -x enhance resolve
prepareInputYaml :fineract-client:buildJavaSdk
```

## Validate OpenAPI Spec File

The `resolve` task in `build.gradle` [<https://github.com/apache/fineract/blob/develop/fineract-provider/build.gradle#L80>] file will generate the OpenAPI Spec File for the project. To make sure Swagger Codegen generates a correct library, it is important for the OpenAPI Spec file to be valid. Validation is done automatically by the OpenAPI code generator Gradle plugin. If you still have problems during code generation please use [Swagger OpenAPI Validator](https://validator.swagger.io/) [<https://validator.swagger.io/>] to validate the spec file.

# Apache Fineract REST API

## Abstract

*Apache Fineract is a secure, multi-tenanted microfinance platform. The goal of the Apache Fineract API is to empower developers to build apps on top of the Apache Fineract Platform. The reference app [<https://cui.fineract.dev>] (username: mifos, password: password) works on the same demo tenant as the interactive links in this documentation. Until we complete the new REST API documentation you still have the legacy documentation available here [<https://fineract.apache.org/legacy-docs/apiLive.htm>]. Please check the Fineract documentation [<https://fineract.apache.org/docs/current>] for more information.*

## Access

- **HTTP Basic** Authentication *basicAuth*
- **APIKey** KeyParamName: *fineract-platform-tenantid*, KeyInQuery: *false*, KeyInHeader: *true*

## Endpoints

### AccountNumberFormat

#### POST /accountnumberformats

##### Operation Id

create

Create an Account number format

##### Description

Note: You may associate a single Account number format for a given account type Mandatory Fields for Account number formats accountType

##### Parameters

##### Body Parameter

Name	Description	Required	Default	Pattern
PostAccountNumberFormatsRequest	<a href="#">PostAccountNumberFormatsRequest</a>	-		

#### Return Type

[PostAccountNumberFormatsResponse](#)

#### Content Type

- application/json

#### Responses

Table 3. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostAccountNumberFormatsResponse</a>

#### Samples

**DELETE /accountnumberformats/{accountNumberFormatId}**

#### Operation Id

delete

Delete an Account number format

#### Description

Note: Account numbers created while this format was active would remain unchanged.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
accountNumberFormatId	accountNumberFormatId	X	null	

#### Return Type

[DeleteAccountNumberFormatsResponse](#)



### Content Type

- application/json

### Responses

Table 4. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteAccountNumberFormatsResponse</a>

### Samples

#### GET /accountnumberformats

#### Operation Id

retrieveAll3

List Account number formats

#### Description

Example Requests: accountnumberformats accountnumberformats?fields=accountType,prefixType

#### Parameters

#### Return Type

array[[GetAccountNumberFormatsIdResponse](#)]

### Content Type

- application/json

### Responses

Table 5. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetAccountNumberFormatsIdResponse</a> ]

### Samples

## GET /accountnumberformats/{accountNumberFormatId}

### Operation Id

retrieveOne

Retrieve an Account number format

### Description

Example Requests: `accountnumberformats/1` `accountnumberformats/1?template=true`  
`accountnumberformats/1?fields=accountType,prefixType`

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
accountNumberFormatId	accountNumberFormatId	X	null	

### Return Type

[GetAccountNumberFormatsIdResponse](#)

### Content Type

- application/json

### Responses

Table 6. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountNumberFormatsIdResponse</a>

### Samples

## GET /accountnumberformats/template

### Operation Id

retrieveTemplate2

Retrieve Account number format Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Request: accountnumberformats/template

## Parameters

## Return Type

[\*GetAccountNumberFormatsResponseTemplate\*](#)

## Content Type

- application/json

## Responses

Table 7. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetAccountNumberFormatsResponseTemplate</i></a>

## Samples

**PUT /accountnumberformats/{accountNumberFormatId}**

## Operation Id

update1

Update an Account number format

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
accountNumberFormatId	accountNumberFormatId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutAccountNumberFormatsRequest	<a href="#">PutAccountNumberFormatsRequest</a>	X		

#### Return Type

[PutAccountNumberFormatsResponse](#)

#### Content Type

- application/json

#### Responses

Table 8. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutAccountNumberFormatsResponse</a>

#### Samples

## AccountTransfers

### POST /accounttransfers

#### Operation Id

create4

Create new Transfer

#### Description

Ability to create new transfer of monetary funds from one account to another.

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostAccountTransfersRequest	<a href="#">PostAccountTransfersRequest</a>	X		

## Return Type

[\*PostAccountTransfersResponse\*](#)

## Content Type

- application/json

## Responses

Table 9. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostAccountTransfersResponse</i></a>

## Samples

### GET /accounttransfers

#### Operation Id

retrieveAll18

List account transfers

## Description

Lists account's transfers Example Requests: accounttransfers

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit		-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
accountDetailId	accountDetailId	-	null	

## Return Type

[\*GetAccountTransfersResponse\*](#)

## Content Type

- application/json

## Responses

Table 10. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountTransfersResponse</a>

## Samples

### GET /accounttransfers/{transferId}

#### Operation Id

retrieveOne9

Retrieve account transfer

#### Description

Retrieves account transfer Example Requests : accounttransfers/1

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
transferId	transferId	X	null	

#### Return Type

[GetAccountTransfersPageItems](#)

## Content Type

- application/json

## Responses

Table 11. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountTransfersPageItems</a>

## Samples

### GET /accounttransfers/template

#### Operation Id

template5

Retrieve Account Transfer Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists  
Example Requests: `accounttransfers/template?fromAccountType=2&fromOfficeId=1`  
`accounttransfers/template?fromAccountType=2&fromOfficeId=1&fromClientId=1`  
`accounttransfers/template?fromClientId=1&fromAccountType=2&fromAccountId=1`

#### Parameters

##### Query Parameters

Name	Description	Required	Default	Pattern
fromOfficeId	fromOfficeId	-	null	
fromClientId	fromClientId	-	null	
fromAccountId	fromAccountId	-	null	
fromAccountType	fromAccountType	-	null	
toOfficeId	toOfficeId	-	null	
toClientId	toClientId	-	null	
toAccountId	toAccountId	-	null	
toAccountType	toAccountType	-	null	

#### Return Type

[\*GetAccountTransfersTemplateResponse\*](#)

#### Content Type

- application/json

#### Responses

*Table 12. http response codes*

Code	Message	Datatype
200	OK	<i>GetAccountTransfersTemplateResponse</i>

## Samples

### GET /accounttransfers/templateRefundByTransfer

#### Operation Id

templateRefundByTransfer

Retrieve Refund of an Active Loan by Transfer Template

#### Description

Retrieves Refund of an Active Loan by Transfer TemplateExample Requests :  
 accounttransfers/templateRefundByTransfer?fromAccountId=2&fromAccountType=1&toAccountId=1&toAccountType=2&toClientId=1&toOfficeId=1

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
fromOfficeId	fromOfficeId	-	null	
fromClientId	fromClientId	-	null	
fromAccountId	fromAccountId	-	null	
fromAccountType	fromAccountType	-	null	
toOfficeId	toOfficeId	-	null	
toClientId	toClientId	-	null	
toAccountId	toAccountId	-	null	
toAccountType	toAccountType	-	null	

#### Return Type

*GetAccountTransfersTemplateRefundByTransferResponse*

#### Content Type

- application/json



## Responses

Table 13. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountTransfersTemplateRefundByTransferResponse</a>

## Samples

### POST /accounttransfers/refundByTransfer

#### Operation Id

templateRefundByTransferPost

Refund of an Active Loan by Transfer

#### Description

Ability to refund an active loan by transferring to a savings account.

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostAccountTransfersRefundByTransferRequest	<a href="#">PostAccountTransfersRefundByTransferRequest</a>	X		

#### Return Type

[PostAccountTransfersRefundByTransferResponse](#)

#### Content Type

- application/json

## Responses

Table 14. http response codes

Code	Message	Datatype
200	OK	<i>PostAccountTransfersRefundByTransferResponse</i>

## Samples

## AccountingClosure

### POST /glclosures

#### Operation Id

createGLClosure

Create an Accounting Closure

#### Description

Mandatory Fields officeId,closingDate

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostGlclosuresRequest	<i>PostGlclosuresRequest</i>	X		

#### Return Type

*PostGlclosuresResponse*

#### Content Type

- application/json

#### Responses

Table 15. http response codes

Code	Message	Datatype
200	OK	<i>PostGlclosuresResponse</i>

## Samples

**DELETE /glclosures/{glClosureId}**

**Operation Id**

deleteGLClosure

Delete an accounting closure

**Description**

Note: Only the latest accounting closure associated with a branch may be deleted.

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
glClosureId	glclosureId	X	null	

**Return Type**

[\*DeleteGlClosuresResponse\*](#)

**Content Type**

- application/json

**Responses**

Table 16. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteGlClosuresResponse</i></a>

**Samples**

**GET /glclosures/{glClosureId}**

**Operation Id**

retrieveClosure

Retrieve an Accounting Closure

**Description**

Example Requests: glclosures/1 /glclosures/1?fields=officeName,closingDate

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
glClosureId	glClosureId	X	null	

### Return Type

[\*GetGlClosureResponse\*](#)

### Content Type

- application/json

### Responses

Table 17. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetGlClosureResponse</i></a>

### Samples

#### GET /glclosures

#### Operation Id

retrieveAllClosures

List Accounting closures

### Description

Example Requests: glclosures

### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	

### Return Type

array[[\*GetGlClosureResponse\*](#)]

## Content Type

- application/json

## Responses

Table 18. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetGlClosureResponse</a> ]

## Samples

### PUT /glclosures/{glClosureId}

#### Operation Id

updateGLClosure

Update an Accounting closure

#### Description

Once an accounting closure is created, only the comments associated with it may be edited

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
glClosureId	glClosureId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutGLClosuresRequest	<a href="#">PutGLClosuresRequest</a>	-		

#### Return Type

[PutGLClosuresResponse](#)

## Content Type

- application/json

## Responses

Table 19. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutGlclosuresResponse</a>

## Samples

## AccountingRules

### POST /accountingrules

#### Operation Id

createAccountingRule

Create/Define a Accounting rule

#### Description

Define a new Accounting rule. Mandatory Fields name, officeId, accountToDebit OR debitTags, accountToCredit OR creditTags. Optional Fields description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostAccountingRulesRequest	<a href="#">PostAccountingRulesRequest</a>	-		

#### Return Type

[PostAccountingRulesResponse](#)

#### Content Type

- application/json

## Responses

Table 20. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostAccountingRulesResponse</a>

## Samples

### DELETE /accountingrules/{accountingRuleId}

#### Operation Id

deleteAccountingRule

Delete a Accounting Rule

#### Description

Deletes a Accounting rule.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
accountingRuleId	accountingRuleId	X	null	

#### Return Type

[DeleteAccountingRulesResponse](#)

#### Content Type

- application/json

#### Responses

Table 21. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteAccountingRulesResponse</a>

## Samples

### GET /accountingrules/{accountingRuleId}

#### Operation Id

retrieveAccountingRule

Retrieve a Accounting rule

#### Description

Returns the details of a defined Accounting rule. Example Requests: accountingrules/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountingRuleId	accountingRuleId	X	null	

### Return Type

[AccountingRuleData](#)

### Content Type

- application/json

### Responses

Table 22. http response codes

Code	Message	Datatype
200	OK	<a href="#">AccountingRuleData</a>

## Samples

### GET /accountingrules

#### Operation Id

retrieveAllAccountingRules

Retrieve Accounting Rules

### Description

Returns the list of defined accounting rules. Example Requests: accountingrules

### Parameters

### Return Type

array[[GetAccountRulesResponse](#)]

### Content Type

- application/json



## Responses

Table 23. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetAccountRulesResponse</a> ]

## Samples

### GET /accountingrules/template

#### Operation Id

retrieveTemplate1

Retrieve Accounting Rule Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Request: accountingrules/template

#### Parameters

#### Return Type

[GetAccountRulesTemplateResponse](#)

#### Content Type

- application/json

## Responses

Table 24. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountRulesTemplateResponse</a>

## Samples

### PUT /accountingrules/{accountingRuleId}

#### Operation Id

updateAccountingRule

## Update a Accounting Rule

### Description

Updates the details of a Accounting rule.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
accountingRuleId	accountingRuleId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutAccountingRulesRequest	<a href="#">PutAccountingRulesRequest</a>	-		

### Return Type

[PutAccountingRulesResponse](#)

### Content Type

- application/json

### Responses

Table 25. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutAccountingRulesResponse</a>

### Samples

## AdhocQueryApi

### POST /adhocquery

#### Operation Id

createAdHocQuery

### Description

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 26. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

**DELETE** /adhocquery/{adHocId}

### Operation Id

deleteAdHocQuery

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
adHocId	adHocId	X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 27. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /adhocquery/{adHocId}**

### Operation Id

retrieveAdHocQuery

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
adHocId	adHocId	X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 28. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /adhocquery**

### Operation Id

retrieveAll2

### Description

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 29. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /adhocquery/template**

**Operation Id**

template

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 30. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /adhocquery/{adHocId}**

**Operation Id**

update

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
adHocId	adHocId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 31. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## Audits

### GET /audits

#### Operation Id

retrieveAuditEntries

## List Audits

## Description

Get a 200 list of audits that match the criteria supplied and sorted by audit id in descending order, and are within the requestors' data scope. Also it supports pagination and sorting Example Requests: audits audits?fields=madeOnDate,maker,processingResult audits?makerDateTimeFrom=2013-03-25 08:00:00&makerDateTimeTo=2013-04-04 18:00:00 audits?officeId=1 audits?officeId=1&includeJson=true

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
actionName	actionName	-	null	
entityName	entityName	-	null	
resourceId	resourceId	-	null	
makerId	makerId	-	null	
makerDateTimeFrom	makerDateTimeFrom	-	null	
makerDateTimeTo	makerDateTimeTo	-	null	
checkerId	checkerId	-	null	
checkerDateTimeFrom	checkerDateTimeFrom	-	null	
checkerDateTimeTo	checkerDateTimeTo	-	null	
processingResult	processingResult	-	null	
officeId	officeId	-	null	
groupId	groupId	-	null	
clientId	clientId	-	null	
loanid	loanid	-	null	
savingsAccountId	savingsAccountId	-	null	
paged	paged	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

### Return Type

array[[GetMakerCheckerResponse](#)]

### Content Type

- application/json

### Responses

*Table 32. http response codes*

Code	Message	Datatype
200	OK	List[ <a href="#">GetMakerCheckerResponse</a> ]

## Samples

### GET /audits/{auditId}

#### Operation Id

retrieveAuditEntry

Retrieve an Audit Entry

#### Description

Example Requests: audits/20 audits/20?fields=madeOnDate,maker,processingResult

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
auditId	auditId	X	null	

#### Return Type

[GetMakerCheckerResponse](#)

#### Content Type

- application/json

#### Responses

Table 33. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetMakerCheckerResponse</a>

## Samples

### GET /audits/searchtemplate



## Operation Id

retrieveAuditSearchTemplate

## Audit Search Template

### Description

This is a convenience resource. It can be useful when building an Audit Search UI. \"appUsers\" are data scoped to the office/branch the requestor is associated with. Example Requests: audits/searchtemplate audits/searchtemplate?fields=actionNames

### Parameters

### Return Type

[\*GetMakerCheckersSearchTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 34. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetMakerCheckersSearchTemplateResponse</i></a>

### Samples

## AuthenticationHTTPBasic

### POST /authentication

## Operation Id

authenticate

Verify authentication

### Description

Authenticates the credentials provided and returns the set roles and permissions allowed.

### Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
PostAuthenticationRequest	<a href="#">PostAuthenticationRequest</a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
returnClientList		-	false	

## Return Type

[PostAuthenticationResponse](#)

## Content Type

- application/json

## Responses

Table 35. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostAuthenticationResponse</a>
400	Unauthenticated. Please login	<<>>

## Samples

## BatchAPI

### POST /batches

#### Operation Id

handleBatchRequests

Batch requests in a single transaction

#### Description

The Apache Fineract Batch API is also capable of executing all the requests in a single transaction, by setting a Query Parameter, \"enclosingTransaction=true\". So, if one or more of the requests in a batch returns an erroneous response all of the Data base transactions made by other successful requests will be rolled back. If there has been a rollback in a transaction then a single response will be provided, with a '400' status code and a body consisting of the error details of the first failed request.

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostBatchesRequest	<a href="#">PostBatchesRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
enclosingTransaction	enclosingTransaction	-	false	

### Return Type

[BatchResponse](#)

### Content Type

- application/json

### Responses

Table 36. http response codes

Code	Message	Datatype
200	Success	<a href="#">BatchResponse</a>

### Samples

## BulkImport

### GET /imports/downloadOutputTemplate

#### Operation Id

getOutputTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
importDocumentId		-	null	

### Return Type

-

### Content Type

- application/vnd.ms-excel

### Responses

Table 37. http response codes

Code	Message	Datatype
0	default response	<<>>

### Samples

### GET /imports

### Operation Id

retrieveImportDocuments

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
entityType		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 38. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /imports/getOutputTemplateLocation

### Operation Id

retriveOutputTemplateLocation

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
importDocumentId		-	null	

### Return Type

[String]

### Content Type

- /

### Responses

Table 39. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## BulkLoans

## POST /loans/loanreassignment

### Operation Id

loanReassignment

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 40. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples****GET /loans/loanreassignment/template****Operation Id**

loanReassignmentTemplate

**Description****Parameters****Query Parameters**

Name	Description	Required	Default	Pattern
officeId		-	null	
fromLoanOfficerId		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 41. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## Cache

### GET /caches

#### Operation Id

retrieveAll4

Retrieve Cache Types

#### Description

Returns the list of caches. Example Requests: caches

#### Parameters

#### Return Type

array[[GetCachesResponse](#)]

#### Content Type

- application/json

#### Responses

Table 42. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetCachesResponse</a> ]

## Samples

### PUT /caches

#### Operation Id

switchCache

Switch Cache

#### Description

Switches the cache to chosen one.

#### Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
PutCachesRequest	<a href="#">PutCachesRequest</a>	X		

## Return Type

[PutCachesResponse](#)

## Content Type

- application/json

## Responses

Table 43. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCachesResponse</a>

## Samples

# Calendar

## POST /{entityType}/{entityId}/calendars

## Operation Id

createCalendar

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		



### Return Type

[String]

### Content Type

- application/json

### Responses

Table 44. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

**DELETE** /{entityType}/{entityId}/calendars/{calendarId}

### Operation Id

deleteCalendar

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	
calendarId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 45. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET** /{entityType}/{entityId}/calendars/{calendarId}

### Operation Id

retrieveCalendar

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
calendarId		X	null	
entityType		X	null	
entityId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 46. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET** /{entityType}/{entityId}/calendars

### Operation Id

retrieveCalendarsByEntity

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
calendarType		-	all	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 47. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

GET /{entityType}/{entityId}/calendars/template

### Operation Id

retrieveNewCalendarDetails

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 48. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

PUT /{entityType}/{entityId}/calendars/{calendarId}

## Operation Id

updateCalendar

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	
calendarId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 49. http response codes

Code	Message	Datatype
0	default response	[String]

Samples

## CashierJournals

GET /cashiersjournal

Operation Id

getJournalData1

Description

Parameters

Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
tellerId		-	null	
cashierId		-	null	
dateRange		-	null	

Return Type

[String]

Content Type

- application/json

Responses

Table 50. http response codes

Code	Message	Datatype
0	default response	[String]

Samples

## Cashiers

## GET /cashiers

### Operation Id

getCashierData

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
tellerId		-	null	
staffId		-	null	
date		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 51. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## Centers

### POST /centers/{centerId}

### Operation Id

activate2

Activate a Center | Generate Collection Sheet | Save Collection Sheet | Close a Center | Associate Groups | Disassociate Groups

## Description

Activate a Center: Centers can be created in a Pending state. This API exists to enable center activation. If the center happens to be already active, this API will result in an error. Close a Center: Centers can be closed if they don't have any non-closed groups or saving accounts. If the Center has any active groups or savings accounts, this API will result in an error. Associate Groups: This API allows associating existing groups to a center. The groups are listed from the office to which the center is associated. If group(s) is already associated with a center, this API will result in an error. Disassociate Groups: This API allows to disassociate groups from a center. Generate Collection Sheet: This Api retrieves repayment details of all jlg loans under a center as on a specified meeting date. Save Collection Sheet: This Api allows the loan officer to perform bulk repayments of JLG loans for a center on a given meeting date. Showing Request/Response for Close a Center

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
centerId	centerId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostCentersCenterIdRequest	<a href="#">PostCentersCenterIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostCentersCenterIdResponse](#)

## Content Type

- application/json

## Responses

Table 52. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCentersCenterIdResponse</a>

## Samples

### POST /centers

#### Operation Id

create7

Create a Center

#### Description

Creates a Center Mandatory Fields: name, officeId, active, activationDate (if active=true) Optional Fields: externalId, staffId, groupMembers

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostCentersRequest	<a href="#">PostCentersRequest</a>	X		

#### Return Type

[PostCentersResponse](#)

#### Content Type

- application/json

#### Responses

Table 53. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCentersResponse</a>

## Samples

### DELETE /centers/{centerId}



## Operation Id

delete10

Delete a Center

## Description

A Center can be deleted if it is in pending state and has no association - groups, loans or savings

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
centerId	centerId	X	null	

## Return Type

[DeleteCentersCenterIdResponse](#)

## Content Type

- application/json

## Responses

Table 54. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteCentersCenterIdResponse</a>

## Samples

GET /centers/downloadtemplate

## Operation Id

getCentersTemplate

## Description

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	

Name	Description	Required	Default	Pattern
staffId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

#### Responses

Table 55. http response codes

Code	Message	Datatype
0	default response	<<>>

#### Samples

### POST /centers/uploadtemplate

#### Operation Id

postCentersTemplate

#### Description

#### Parameters

#### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

#### Return Type

[String]

#### Content Type

- /

## Responses

Table 56. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /centers

#### Operation Id

retrieveAll23

List Centers

#### Description

The default implementation supports pagination and sorting with the default pagination size set to 200 records. The parameter limit with description -1 will return all entries. Example Requests: centers?fields=name,officeName,joinedDate  
centers?offset=10&limit=50  
centers?orderBy=name&sortOrder=DESC

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
staffId	staffId	-	null	
externalId	externalId	-	null	
name	name	-	null	
underHierarchy	underHierarchy	-	null	
paged	paged	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
meetingDate	meetingDate	-	null	
dateFormat	dateFormat	-	null	
locale	locale	-	null	

## Return Type

[\*GetCentersResponse\*](#)

## Content Type

- application/json

## Responses

Table 57. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetCentersResponse</i></a>

## Samples

### GET /centers/{centerId}/accounts

## Operation Id

retrieveGroupAccount

Retrieve Center accounts overview

## Description

An example of how a savings summary for a Center can be provided. This is requested in a specific use case of the reference application. It is quite reasonable to add resources like this to simplify User Interface development. Example Requests: centers/9/accounts

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
centerId	centerId	X	null	

## Return Type

[\*GetCentersCenterIdAccountsResponse\*](#)

## Content Type

- application/json

## Responses

Table 58. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCentersCenterIdAccountsResponse</a>

## Samples

### GET /centers/{centerId}

#### Operation Id

retrieveOne13

Retrieve a Center

#### Description

Retrieves a Center Example Requests: centers/1 centers/1?associations=groupMembers

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
centerId	centerId	X	null	

##### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

#### Return Type

[GetCentersCenterIdResponse](#)

#### Content Type

- application/json

## Responses

Table 59. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCentersCenterIdResponse</a>

## Samples

### GET /centers/template

#### Operation Id

retrieveTemplate6

Retrieve a Center Template

#### Description

Retrieves a Center Template Example Requests: centers/template centers/template?officeId=2

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	
officeId	officeId	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

#### Return Type

[GetCentersTemplateResponse](#)

#### Content Type

- application/json

#### Responses

Table 60. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCentersTemplateResponse</a>

## Samples

**PUT /centers/{centerId}**

## Operation Id

update11

Update a Center

## Description

Updates a Center

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
centerId	centerId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutCentersCenterIdRequest	<a href="#">PutCentersCenterIdRequest</a>	X		

## Return Type

[PutCentersCenterIdResponse](#)

## Content Type

- application/json

## Responses

Table 61. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCentersCenterIdResponse</a>

## Samples

## Charges

## POST /charges

### Operation Id

createCharge

Create/Define a Charge

### Description

Define a new charge that can later be associated with loans and savings through their respective product definitions or directly on each account instance.

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostChargesRequest	<a href="#">PostChargesRequest</a>	X		

### Return Type

[PostChargesResponse](#)

### Content Type

- application/json

### Responses

Table 62. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostChargesResponse</a>

### Samples

## DELETE /charges/{chargeId}

### Operation Id

deleteCharge

Delete a Charge

### Description

Deletes a Charge.



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
chargeId	chargeId	X	null	

### Return Type

[\*DeleteChargesChargeIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 63. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteChargesChargeIdResponse</i></a>

### Samples

#### GET /charges

#### Operation Id

retrieveAllCharges

Retrieve Charges

#### Description

Returns the list of defined charges. Example Requests: charges

### Parameters

### Return Type

array[[\*GetChargesResponse\*](#)]

### Content Type

- application/json

## Responses

Table 64. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetChargesResponse</a> ]

## Samples

### GET /charges/{chargeId}

#### Operation Id

retrieveCharge

Retrieve a Charge

#### Description

Returns the details of a defined Charge. Example Requests: charges/1

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
chargeId	chargeId	X	null	

#### Return Type

[GetChargesResponse](#)

#### Content Type

- application/json

## Responses

Table 65. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetChargesResponse</a>

## Samples

## GET /charges/template

### Operation Id

retrieveNewChargeDetails

Retrieve Charge Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: charges/template

### Parameters

### Return Type

[GetChargesTemplateResponse](#)

### Content Type

- application/json

### Responses

Table 66. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetChargesTemplateResponse</a>

### Samples

## PUT /charges/{chargeId}

### Operation Id

updateCharge

Update a Charge

### Description

Updates the details of a Charge.

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
chargeId	chargeId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutChargesChargeIdRequest	<a href="#">PutChargesChargeIdRequest</a>	X		

### Return Type

[PutChargesChargeIdResponse](#)

### Content Type

- application/json

### Responses

Table 67. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutChargesChargeIdResponse</a>

### Samples

## Client

### POST /clients/{clientId}

#### Operation Id

activate1

Activate a Client | Close a Client | Reject a Client | Withdraw a Client | Reactivate a Client | UndoReject a Client | UndoWithdraw a Client | Assign a Staff | Unassign a Staff | Update Default Savings Account | Propose a Client Transfer | Withdraw a Client Transfer | Reject a Client Transfer | Accept a Client Transfer | Propose and Accept a Client Transfer

### Description

Activate a Client: Clients can be created in a Pending state. This API exists to enable client activation (for when a client becomes an approved member of the financial Institution). If the client happens to be already active this API will result in an error. Close a Client: Clients can be closed if they do not have any non-closed loans/savingsAccount. This API exists to close a client . If the client have any active loans/savingsAccount this API will result in an error. Reject a Client: Clients can be rejected when client

is in pending for activation status. If the client is any other status, this API throws an error. Mandatory Fields: rejectionDate, rejectionReasonId Withdraw a Client: Client applications can be withdrawn when client is in a pending for activation status. If the client is any other status, this API throws an error. Mandatory Fields: withdrawalDate, withdrawalReasonId Reactivate a Client: Clients can be reactivated after they have been closed. Trying to reactivate a client in any other state throws an error. Mandatory Fields: reactivationDate UndoReject a Client: Clients can be reactivated after they have been rejected. Trying to reactivate a client in any other state throws an error. Mandatory Fields: reopenedDateUndoWithdraw a Client: Clients can be reactivated after they have been withdrawn. Trying to reactivate a client in any other state throws an error. Mandatory Fields: reopenedDate Assign a Staff: Allows you to assign a Staff for existed Client. The selected Staff should belong to the same office (or an officer higher up in the hierarchy) as the Client he manages. Unassign a Staff: Allows you to unassign the Staff assigned to a Client. Update Default Savings Account: Allows you to modify or assign a default savings account for an existing Client. The selected savings account should be one among the existing savings account for a particular customer. Propose a Client Transfer: Allows you to propose the transfer of a Client to a different Office. Withdraw a Client Transfer: Allows you to withdraw the proposed transfer of a Client to a different Office. Withdrawal can happen only if the destination Branch (to which the transfer was proposed) has not already accepted the transfer proposal Reject a Client Transfer: Allows the Destination Branch to reject the proposed Client Transfer. Accept a Client Transfer: Allows the Destination Branch to accept the proposed Client Transfer. The destination branch may also choose to link this client to a group (in which case, any existing active JLG loan of the client is rescheduled to match the meeting frequency of the group) and loan Officer at the time of accepting the transfer Propose and Accept a Client Transfer: Abstraction over the Propose and Accept Client Transfer API's which enable a user with Data Scope over both the Target and Destination Branches to directly transfer a Client to the destination Office. Showing request/response for 'Reject a Client Transfer'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostClientsClientIdRequest	<a href="#">PostClientsClientIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[\*PostClientsClientIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 68. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostClientsClientIdResponse</i></a>

## Samples

### POST /clients

#### Operation Id

create6

Create a Client

## Description

Note: 1. You can enter either:firstname/middlename/lastname - for a person (middlename is optional) OR fullname - for a business or organisation (or person known by one name). 2.If address is enable(enable-address=true), then additional field called address has to be passed. Mandatory Fields: firstname and lastname OR fullname, officeId, active=true and activationDate OR active=false, if(address enabled) address Optional Fields: groupId, externalId, accountNo, staffId, mobileNo, savingsProductId, genderId, clientTypeId, clientClassificationId

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostClientsRequest	<a href="#"><i>PostClientsRequest</i></a>	X		

## Return Type

[\*PostClientsResponse\*](#)

## Content Type

- application/json

## Responses

Table 69. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostClientsResponse</a>

## Samples

### DELETE /clients/{clientId}

#### Operation Id

delete9

Delete a Client

#### Description

If a client is in Pending state, you are allowed to Delete it. The delete is a 'hard delete' and cannot be recovered from. Once clients become active or have loans or savings associated with them, you cannot delete the client but you may Close the client if they have left the program.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[object]</a>	X		

## Return Type

[DeleteClientsClientIdResponse](#)

## Content Type

- application/json

## Responses

Table 70. http response codes

Code	Message	Datatype
200	OK	<i>DeleteClientsClientIdResponse</i>

## Samples

### GET /clients/downloadtemplate

#### Operation Id

getClientTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
legalFormType		-	null	
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

#### Responses

Table 71. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /clients/uploadtemplate

#### Operation Id

postClientTemplate



## Description

## Parameters

### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

### Query Parameters

Name	Description	Required	Default	Pattern
legalFormType		-	null	

## Return Type

[String]

## Content Type

- /

## Responses

Table 72. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /clients

#### Operation Id

retrieveAll21

## List Clients

## Description

The list capability of clients can support pagination and sorting. Example Requests: clients  
clients?fields=displayName,officeName,timeline  
clients?offset=10&limit=50  
clients?orderBy=displayName&sortOrder=DESC

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
officeId	officeId	-	null	
externalId	externalId	-	null	
displayName	displayName	-	null	
firstName	firstName	-	null	
lastName	lastName	-	null	
status	status	-	null	
underHierarchy	underHierarchy	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
orphansOnly	orphansOnly	-	null	

### Return Type

[\*GetClientsResponse\*](#)

### Content Type

- application/json

### Responses

Table 73. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetClientsResponse</i></a>

### Samples

**GET /clients/{clientId}/accounts**

### Operation Id

retrieveAssociatedAccounts

## Retrieve client accounts overview

### Description

An example of how a loan portfolio summary can be provided. This is requested in a specific use case of the community application. It is quite reasonable to add resources like this to simplify User Interface development.

Example

Requests:

clients/1/accounts

clients/1/accounts?fields=loanAccounts,savingsAccounts

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Return Type

[GetClientsClientIdAccountsResponse](#)

### Content Type

- application/json

### Responses

Table 74. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetClientsClientIdAccountsResponse</a>
400	Bad Request	<<>>

### Samples

**GET /clients/{clientId}/obligedetails**

### Operation Id

retrieveObligeeDetails

### Description

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 75. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /clients/{clientId}**

## Operation Id

retrieveOne11

Retrieve a Client

## Description

Example Requests: clients/1 clients/1?template=true clients/1?fields=id,displayName,officeName

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

## Return Type

[\*GetClientsClientIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 76. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetClientsClientIdResponse</i></a>

## Samples

### GET /clients/template

#### Operation Id

retrieveTemplate5

Retrieve Client Details Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Request: clients/template

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
commandParam	commandParam	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

## Return Type

[\*GetClientsTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 77. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetClientsTemplateResponse</a>

## Samples

### GET /clients/{clientId}/transferproposaldate

#### Operation Id

retrieveTransferTemplate

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 78. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### PUT /clients/{clientId}

## Operation Id

update10

Update a Client

### Description

Note: You can update any of the basic attributes of a client (but not its associations) using this API. Changing the relationship between a client and its office is not supported through this API. An API specific to handling transfers of clients between offices is available for the same. The relationship between a client and a group must be removed through the Groups API.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutClientsClientIdRequest	<a href="#">PutClientsClientIdRequest</a>	X		

### Return Type

[PutClientsClientIdResponse](#)

### Content Type

- application/json

### Responses

Table 79. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutClientsClientIdResponse</a>

### Samples

## ClientCharges

## POST /clients/{clientId}/charges

### Operation Id

applyClientCharge

Add Client Charge

### Description

This API associates a Client charge with an implicit Client account Mandatory Fields : chargeId and dueDate Optional Fields : amount

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostClientsClientIdChargesRequest	<a href="#">PostClientsClientIdChargesRequest</a>	X		

### Return Type

[PostClientsClientIdChargesResponse](#)

### Content Type

- application/json

### Responses

Table 80. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostClientsClientIdChargesResponse</a>

### Samples



**DELETE /clients/{clientId}/charges/{chargeId}**

**Operation Id**

deleteClientCharge

Delete a Client Charge

**Description**

Deletes a Client Charge on which no transactions have taken place (either payments or waivers).

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
chargeId	chargeId	X	null	

**Return Type**

[DeleteClientsClientIdChargesChargeIdResponse](#)

**Content Type**

- application/json

**Responses**

Table 81. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteClientsClientIdChargesChargeIdResponse</a>

**Samples**

**POST /clients/{clientId}/charges/{chargeId}**

**Operation Id**

payOrWaiveClientCharge

Pay a Client Charge | Waive a Client Charge

## Description

Pay a Client Charge: Mandatory Fields:transactionDate and amount \"Pay either a part of or the entire due amount for a charge.(command=paycharge) Waive a Client Charge: This API provides the facility of waiving off the remaining amount on a client charge (command=waive) Showing request/response for 'Pay a Client Charge'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
chargeId	chargeId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostClientsClientIdChargesChargeIdRequest	<a href="#">PostClientsClientIdChargesChargeIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostClientsClientIdChargesChargeIdResponse](#)

## Content Type

- application/json

## Responses

Table 82. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostClientsClientIdChargesChargeIdResponse</a>

## Samples

## GET /clients/{clientId}/charges

### Operation Id

retrieveAllClientCharges

List Client Charges

### Description

The list capability of client charges supports pagination. Example Requests: clients/1/charges  
clients/1/charges?offset=0&limit=5

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
chargeStatus	chargeStatus	-	all	
pendingPayment	pendingPayment	-	null	
limit	limit	-	null	
offset	offset	-	null	

### Return Type

[GetClientsClientIdChargesResponse](#)

### Content Type

- application/json

### Responses

Table 83. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetClientsClientIdChargesResponse</a>

## Samples

**GET /clients/{clientId}/charges/{chargeId}**

### Operation Id

retrieveClientCharge

Retrieve a Client Charge

### Description

Example Requests: clients/1/charges/1 clients/1/charges/1?fields=name,id

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
chargeId	chargeId	X	null	

### Return Type

[GetClientsChargesPageItems](#)

### Content Type

- application/json

### Responses

Table 84. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetClientsChargesPageItems</a>

## Samples

**GET /clients/{clientId}/charges/template**

### Operation Id

retrieveTemplate4

### Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 85. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## ClientCollateralManagement

### POST /clients/{clientId}/collaterals

#### Operation Id

addCollateral

Add New Collateral For a Client

#### Description

Add New Collateral For a Client

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostClientCollateralRequest	<a href="#">PostClientCollateralRequest</a>	X		

#### Return Type

[PostClientCollateralResponse](#)

#### Content Type

- application/json

#### Responses

Table 86. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostClientCollateralResponse</a>

#### Samples

**DELETE** /clients/{clientId}/collaterals/{collateralId}

#### Operation Id

deleteCollateral1

Delete Client Collateral

#### Description

Delete Client Collateral

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
collateralId	collateralId	X	null	

#### Return Type

[DeleteClientCollateralResponse](#)

## Content Type

- application/json

## Responses

Table 87. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteClientCollateralResponse</a>

## Samples

### GET /clients/{clientId}/collaterals

#### Operation Id

getClientCollateral

Get Clients Collateral Products

#### Description

Get Collateral Product of a Client

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

##### Query Parameters

Name	Description	Required	Default	Pattern
prodId	prodId	-	null	

#### Return Type

[\[List\]](#)

## Content Type

- application/json

## Responses

Table 88. http response codes

Code	Message	Datatype
200	OK	List[[ <a href="#">Object</a> ]]

## Samples

**GET /clients/{clientId}/collaterals/{clientCollateralId}**

### Operation Id

getClientCollateralData

Get Client Collateral Data

### Description

Get Client Collateral Data

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
clientCollateralId	clientCollateralId	X	null	

### Return Type

[\[Object\]](#)

### Content Type

- application/json

## Responses

Table 89. http response codes

Code	Message	Datatype
200	OK	<a href="#">[Object]</a>

## Samples



## GET /clients/{clientId}/collaterals/template

### Operation Id

getClientCollateralTemplate

Get Client Collateral Template

### Description

Get Client Collateral Template

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Return Type

array[[GetLoanCollateralManagementTemplate](#)]

### Content Type

- application/json

### Responses

Table 90. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetLoanCollateralManagementTemplate</a> ]

### Samples

## PUT /clients/{clientId}/collaterals/{collateralId}

### Operation Id

updateCollateral1

Update New Collateral of a Client

### Description

Update New Collateral of a Client

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
collateralId	collateralId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutClientCollateralRequest	<a href="#">PutClientCollateralRequest</a>	X		

### Return Type

[PutClientCollateralResponse](#)

### Content Type

- application/json

### Responses

Table 91. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutClientCollateralResponse</a>

### Samples

## ClientFamilyMember

### POST /clients/{clientId}/familymembers

#### Operation Id

addClientFamilyMembers

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 92. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**DELETE /clients/{clientId}/familymembers/{familyMemberId}**

#### Operation Id

deleteClientFamilyMembers

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
familyMemberId		X	null	
clientId	clientId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 93. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /clients/{clientId}/familymembers/{familyMemberId}**

**Operation Id**

getFamilyMember

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
familyMemberId		X	null	
clientId	clientId	X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 94. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /clients/{clientId}/familymembers

#### Operation Id

getFamilyMembers

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 95. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /clients/{clientId}/familymembers/template

#### Operation Id

getTemplate2

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 96. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /clients/{clientId}/familymembers/{familyMemberId}**

**Operation Id**

updateClientFamilyMembers

**Description****Parameters****Path Parameters**

Name	Description	Required	Default	Pattern
familyMemberId		X	null	
clientId	clientId	X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

## Responses

Table 97. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

## ClientIdentifier

### POST /clients/{clientId}/identifiers

#### Operation Id

createClientIdentifier

Create an Identifier for a Client

#### Description

Mandatory Fields documentKey, documentTypeId

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostClientsClientIdIdentifiersRequest	<a href="#">PostClientsClientIdIdentifiersRequest</a>	X		

#### Return Type

[PostClientsClientIdIdentifiersResponse](#)

#### Content Type

- application/json

## Responses

Table 98. http response codes

Code	Message	Datatype
200	OK	<i>PostClientsClientIdIdentifiersResponse</i>

## Samples

**DELETE** /clients/{clientId}/identifiers/{identifierId}

## Operation Id

deleteClientIdentifier

Delete a Client Identifier

## Description

Deletes a Client Identifier

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
identifierId	identifierId	X	null	

## Return Type

*DeleteClientsClientIdIdentifiersIdentifierIdResponse*

## Content Type

- application/json

## Responses

Table 99. http response codes

Code	Message	Datatype
200	OK	<i>DeleteClientsClientIdIdentifiersIdentifierIdResponse</i>

## Samples



## GET /clients/{clientId}/identifiers/template

### Operation Id

newClientIdentifierDetails

Retrieve Client Identifier Details Template

### Description

This is a convenience resource useful for building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: clients/1/identifiers/template

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Return Type

[GetClientsClientIdIdentifiersTemplateResponse](#)

### Content Type

- application/json

### Responses

Table 100. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetClientsClientIdIdentifiersTemplateResponse</a>

### Samples

## GET /clients/{clientId}/identifiers

### Operation Id

retrieveAllClientIdentifiers

List all Identifiers for a Client

## Description

Example Requests: clients/1/identifiers  
clients/1/identifiers?fields=documentKey,documentType,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

## Return Type

array[[GetClientsClientIdIdentifiersResponse](#)]

## Content Type

- application/json

## Responses

Table 101. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetClientsClientIdIdentifierResponse</a> ]

## Samples

**GET** /clients/{clientId}/identifiers/{identifierId}

## Operation Id

retrieveClientIdentifiers

Retrieve a Client Identifier

## Description

Example Requests: clients/1/identifier/2 clients/1/identifier/2?template=true  
clients/1/identifiers/2?fields=documentKey,documentType,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
identifierId	identifierId	X	null	

### Return Type

[\*GetClientsClientIdIdentifiersResponse\*](#)

### Content Type

- application/json

### Responses

Table 102. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetClientsClientIdIdentifiersResponse</i></a>

### Samples

**PUT /clients/{clientId}/identifiers/{identifierId}**

### Operation Id

updateClientIdentifier

Update a Client Identifier

### Description

Updates a Client Identifier

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
identifierId	identifierId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutClientsClientIdIdentifiersIdentifierIdRequest	<a href="#">PutClientsClientIdIdentifiersIdentifierIdRequest</a>	X		

#### Return Type

[PutClientsClientIdIdentifiersIdentifierIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 103. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutClientsClientIdIdentifiersIdentifierIdResponse</a>

#### Samples

## ClientTransaction

### GET /clients/{clientId}/transactions

#### Operation Id

retrieveAllClientTransactions

List Client Transactions

#### Description

The list capability of client transaction can support pagination. Example Requests: clients/189/transactions clients/189/transactions?offset=10&limit=50

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	

## Return Type

[\*GetClientsClientIdTransactionsResponse\*](#)

## Content Type

- application/json

## Responses

Table 104. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetClientsClientIdTransactionsResponse</i></a>

## Samples

**GET /clients/{clientId}/transactions/{transactionId}**

## Operation Id

retrieveClientTransaction

Retrieve a Client Transaction

## Description

Example Requests: clients/1/transactions/1 clients/1/transactions/1?fields=id,officeName

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
transactionId	transactionId	X	null	

## Return Type

*GetClientsClientIdTransactionsTransactionIdResponse*

## Content Type

- application/json

## Responses

Table 105. http response codes

Code	Message	Datatype
200	OK	<i>GetClientsClientIdTransactionsTransactionIdResponse</i>

## Samples

**POST /clients/{clientId}/transactions/{transactionId}**

## Operation Id

undoClientTransaction

Undo a Client Transaction

## Description

Undoes a Client Transaction

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
transactionId	transactionId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[\*PostClientsClientIdTransactionsTransactionIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 106. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostClientsClientIdTransactionsTransactionIdResponse</i></a>

## Samples

## ClientsAddress

### POST /client/{clientid}/addresses

#### Operation Id

addClientAddress

Create an address for a Client

#### Description

Mandatory Fields : type and clientId

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
clientid	clientId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostClientClientIdAddressesRequest	<a href="#"><i>PostClientClientIdAddressesRequest</i></a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
type	type	-	null	

## Return Type

[\*PostClientClientIdAddressesResponse\*](#)

## Content Type

- application/json

## Responses

Table 107. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostClientClientIdAddressesResponse</i></a>

## Samples

### GET /client/{clientid}/addresses

#### Operation Id

getAddresses1

List all addresses for a Client

## Description

Example Requests: client/1/addresses clients/1/addresses?status=false,true&&type=1,2,3

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientid	clientId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
status	status	-	null	



Name	Description	Required	Default	Pattern
type	type	-	null	

#### Return Type

array[[GetClientClientIdAddressesResponse](#)]

#### Content Type

- application/json

#### Responses

Table 108. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetClientClientIdAddressesResponse</a> ]

#### Samples

#### GET /client/addresses/template

#### Operation Id

getAddressesTemplate

#### Description

#### Parameters

#### Return Type

[[String](#)]

#### Content Type

- application/json

#### Responses

Table 109. http response codes

Code	Message	Datatype
0	default response	[ <a href="#">String</a> ]

#### Samples

## PUT /client/{clientid}/addresses

### Operation Id

updateClientAddress

Update an address for a Client

### Description

All the address fields can be updated by using update client address API Mandatory Fields type and addressId

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientid	clientId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutClientClientIdAddressesRequest	<a href="#">PutClientClientIdAddressesRequest</a>	X		

#### Return Type

[PutClientClientIdAddressesResponse](#)

#### Content Type

- application/json

#### Responses

Table 110. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutClientClientIdAddressesResponse</a>

#### Samples

## CodeValues

### POST /codes/{codeId}/codevalues

#### Operation Id

createCodeValue

Create a Code description

#### Description

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostCodeValuesDataRequest	<a href="#">PostCodeValuesDataRequest</a>	X		

#### Return Type

[PostCodeValueDataResponse](#)

#### Content Type

- application/json

#### Responses

Table 111. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCodeValueDataResponse</a>

#### Samples

### DELETE /codes/{codeId}/codevalues/{codeValueId}

#### Operation Id

deleteCodeValue

Delete a Code description

### Description

Deletes a code description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	
codeValueId	codeValueId	X	null	

### Return Type

[\*DeleteCodeValueDataResponse\*](#)

### Content Type

- application/json

### Responses

Table 112. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteCodeValueDataResponse</i></a>

### Samples

**GET /codes/{codeId}/codevalues**

### Operation Id

retrieveAllCodeValues

List Code Values

### Description

Returns the list of Code Values for a given Code Example Requests: codes/1/codevalues

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	

## Return Type

array[[GetCodeValuesDataResponse](#)]

## Content Type

- application/json

## Responses

Table 113. http response codes

Code	Message	Datatype
200	A List of code values for a given code	List[ <a href="#">GetCodeValuesDataResponse</a> ]

## Samples

**GET** /codes/{codeId}/codevalues/{codeValueId}

## Operation Id

retrieveCodeValue

Retrieve a Code description

## Description

Returns the details of a Code Value Example Requests: codes/1/codevalues/1

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
codeValueId	codeValueId	X	null	
codeId	codeId	X	null	

## Return Type

[GetCodeValuesDataResponse](#)

## Content Type

- application/json

## Responses

Table 114. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCodeValuesDataResponse</a>

## Samples

**PUT /codes/{codeId}/codevalues/{codeValueId}**

## Operation Id

updateCodeValue

Update a Code description

## Description

Updates the details of a code description.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	
codeValueId	codeValueId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutCodeValuesDataRequest	<a href="#">PutCodeValuesDataRequest</a>	X		

## Return Type

[PutCodeValueDataResponse](#)

## Content Type

- application/json

## Responses

Table 115. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCodeValueDataResponse</a>

## Samples

## Codes

### POST /codes

#### Operation Id

createCode

Create a Code

#### Description

Creates a code. Codes created through api are always 'user defined' and so system defined is marked as false.

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostCodesRequest	<a href="#">PostCodesRequest</a>	X		

#### Return Type

[PostCodesResponse](#)

#### Content Type

- application/json

## Responses

Table 116. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCodesResponse</a>

## Samples

### DELETE /codes/{codeId}

#### Operation Id

deleteCode

Delete a Code

#### Description

Deletes a code if it is not system defined.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	

#### Return Type

[DeleteCodesResponse](#)

#### Content Type

- application/json

#### Responses

Table 117. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteCodesResponse</a>

## Samples

### GET /codes/{codeId}

#### Operation Id

retrieveCode

Retrieve a Code

#### Description

Returns the details of a Code. Example Requests: codes/1



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	

### Return Type

[GetCodesResponse](#)

### Content Type

- application/json

### Responses

Table 118. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCodesResponse</a>

### Samples

#### GET /codes

#### Operation Id

retrieveCodes

Retrieve Codes

#### Description

Returns the list of codes. Example Requests: codes

#### Parameters

#### Return Type

array[[GetCodesResponse](#)]

#### Content Type

- application/json

## Responses

Table 119. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetCodesResponse</a> ]

## Samples

### PUT /codes/{codeId}

#### Operation Id

updateCode

Update a Code

#### Description

Updates the details of a code if it is not system defined.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
codeId	codeId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutCodesRequest	<a href="#">PutCodesRequest</a>	X		

#### Return Type

[PutCodesResponse](#)

#### Content Type

- application/json

## Responses

Table 120. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCodesResponse</a>

## Samples

## CollateralManagement

### POST /collateral-management

#### Operation Id

createCollateral1

Create a new collateral

#### Description

Collateral Creation

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostCollateralManagementProductRequest	<a href="#">PostCollateralManagementProductRequest</a>	X		

#### Return Type

[PostCollateralManagementProductResponse](#)

#### Content Type

- application/json

#### Responses

Table 121. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCollateralManagementProductResponse</a>

## Samples

## DELETE /collateral-management/{collateralId}

### Operation Id

deleteCollateral2

Delete a Collateral

### Description

Delete Collateral

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
collateralId	collateralId	X	null	

### Return Type

*DeleteCollateralProductResponse*

### Content Type

- application/json

### Responses

Table 122. http response codes

Code	Message	Datatype
200	OK	<i>DeleteCollateralProductResponse</i>

### Samples

## GET /collateral-management

### Operation Id

getAllCollaterals

Get All Collaterals

### Description

Fetch all Collateral Products

## Parameters

## Return Type

array[[GetCollateralManagementsResponse](#)]

## Content Type

- application/json

## Responses

Table 123. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetCollateralManagementsResponse</a> ]

## Samples

**GET /collateral-management/{collateralId}**

## Operation Id

getCollateral

Get Collateral

## Description

Fetch Collateral

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
collateralId	collateralId	X	null	

## Return Type

[GetCollateralManagementsResponse](#)

## Content Type

- application/json

## Responses

Table 124. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCollateralManagementsResponse</a>

## Samples

### GET /collateral-management/template

#### Operation Id

getCollateralTemplate

Get Collateral Template

#### Description

Get Collateral Template

#### Parameters

#### Return Type

array[[GetCollateralProductTemplate](#)]

#### Content Type

- application/json

## Responses

Table 125. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetCollateralProductTemplate</a> ]

## Samples

### PUT /collateral-management/{collateralId}

#### Operation Id

updateCollateral2

Update Collateral

Description

Update Collateral

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
collateralId	collateralId	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
PutCollateralProductRequest	<a href="#">PutCollateralProductRequest</a>	X		

Return Type

[PutCollateralProductResponse](#)

Content Type

- application/json

Responses

Table 126. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCollateralProductResponse</a>

Samples

CollectionSheet

POST /collectionsheet

Operation Id

generateCollectionSheet

Generate Individual Collection Sheet | Save Collection Sheet

## Description

Generate Individual Collection Sheet: This Api retrieves repayment details of all individual loans under a office as on a specified meeting date. Save Collection Sheet: This Api allows the loan officer to perform bulk repayments of individual loans and deposit of mandatory savings on a given meeting date.

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostCollectionSheetRequest	<a href="#">PostCollectionSheetRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostCollectionSheetResponse](#)

## Content Type

- application/json

## Responses

Table 127. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostCollectionSheetResponse</a>

## Samples

## CreditBureauConfiguration

POST /CreditBureauConfiguration/organisationCreditBureau/{organisationCreditBureauId}

### Operation Id

addOrganisationCreditBureau

## Description



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
organisationCreditBureauId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 128. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### POST /CreditBureauConfiguration/configuration/{creditBureauId}

### Operation Id

createCreditBureauConfiguration

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
creditBureauId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 129. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## POST /CreditBureauConfiguration/mappings/{organisationCreditBureauId}

## Operation Id

createCreditBureauLoanProductMapping

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
organisationCreditBureauId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 130. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /CreditBureauConfiguration/loanProduct

#### Operation Id

fetchLoanProducts

#### Description

#### Parameters

#### Return Type

[String]

## Content Type

- application/json

## Responses

Table 131. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /CreditBureauConfiguration/loanProduct/{loanProductId}

#### Operation Id

fetchMappingByLoanProductId

#### Description

#### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanProductId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 132. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /CreditBureauConfiguration/config/{organisationCreditBureauId}**

## Operation Id

getConfiguration

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
organisationCreditBureauId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 133. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /CreditBureauConfiguration

#### Operation Id

getCreditBureau

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 134. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /CreditBureauConfiguration/mappings

#### Operation Id

getCreditBureauLoanProductMapping

#### Description

#### Parameters

#### Return Type

[String]

### Content Type

- application/json

### Responses

Table 135. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

#### GET /CreditBureauConfiguration/organisationCreditBureau

#### Operation Id

getOrganisationCreditBureau

### Description

### Parameters

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 136. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

#### PUT /CreditBureauConfiguration/organisationCreditBureau

#### Operation Id

updateCreditBureau

### Description

### Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 137. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /CreditBureauConfiguration/configuration/{configurationId}**

## Operation Id

updateCreditBureauConfiguration

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
configurationId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

### Content Type

- application/json

### Responses

Table 138. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### PUT /CreditBureauConfiguration/mappings

### Operation Id

updateCreditBureauLoanProductMapping

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 139. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### Currency



## GET /currencies

### Operation Id

retrieveCurrencies

Retrieve Currency Configuration

### Description

Returns the list of currencies permitted for use AND the list of currencies not selected (but available for selection). Example Requests: currencies currencies?fields=selectedCurrencyOptions

### Parameters

### Return Type

[GetCurrenciesResponse](#)

### Content Type

- application/json

### Responses

Table 140. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetCurrenciesResponse</a>

### Samples

## PUT /currencies

### Operation Id

updateCurrencies

Update Currency Configuration

### Description

Updates the list of currencies permitted for use.

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PutCurrenciesRequest	<a href="#">PutCurrenciesRequest</a>	X		

### Return Type

[PutCurrenciesResponse](#)

### Content Type

- application/json

### Responses

Table 141. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutCurrenciesResponse</a>

### Samples

## DataTables

### POST /datatables

#### Operation Id

createDatatable

Create Data Table

#### Description

Create a new data table and registers it with the Apache Fineract Core application table. Field Descriptions Mandatory - datatableName : The name of the Data Table. Mandatory - apptableName Application table name. Must be one of the following: m\_client m\_group m\_loan m\_office m\_saving\_account m\_product\_loan m\_savings\_product Mandatory - columns An array of columns in the new Data Table. Optional - multiRow Allows to create multiple entries in the Data Table. Optional, defaults to false. If this property is not provided Data Table will allow only one entry. Field Descriptions - columns Mandatory - name Name of the created column. Can contain only alphanumeric characters, underscores and spaces, but cannot start with a number. Cannot start or end with an underscore or space. Mandatory - type Column type. Must be one of the following: Boolean Date DateTime Decimal Dropdown Number String Text Mandatory [type = Dropdown] - code Used in Code description fields. Column name becomes: code\_cd\_name. Mandatory if using type Dropdown, otherwise an error is returned. Optional - mandatory Determines whether this column must have a value in every entry. Optional, defaults to false. Mandatory [type = String] - length Length of the text field. Mandatory if type String is used, otherwise an error is returned.

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostDataTablesRequest	<a href="#">PostDataTablesRequest</a>	X		

### Return Type

[PostDataTablesResponse](#)

### Content Type

- application/json

### Responses

Table 142. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostDataTablesResponse</a>

### Samples

#### POST /datatables/{datatable}/{apptableId}

#### Operation Id

createDatatableEntry

Create Entry in Data Table

### Description

Adds a row to the data table. Note that the default datatable UI functionality converts any field name containing spaces to underscores when using the API. This means the field name \"Business Description\" is considered the same as \"Business\_Description\". So you shouldn't have both \"versions\" in any data table.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptableId	apptableId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	{ "BusinessDescription":: "Livestock sales",, "Comment":: "First comment made",, "Education_cv":: "Primary",, "Gender_cd":: 6, "HighestRatePaid":: 8.5, "NextVisit":: "01 October 2012",, "YearsinBusiness":: 5, "dateFormat":: "dd MMMM yyyy",, "locale":: "en" } [string]	X		

## Return Type

[\*PostDataTablesAppTableIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 143. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostDataTablesAppTableIdResponse</i></a>

## Samples

**DELETE /datatables/{datatableName}**

## Operation Id

deleteDatatable

Delete Data Table

## Description

Deletes a data table and deregisters it from the Apache Fineract Core application table.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
datatableName	datatableName	X	null	

## Return Type

[\*DeleteDataTablesResponse\*](#)

## Content Type

- application/json

## Responses

Table 144. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteDataTableResponse</i></a>

## Samples

**DELETE** /datatables/{datatable}/{apptableId}

## Operation Id

deleteDatatableEntries

Delete Entry(s) in Data Table

## Description

Deletes the entry (if it exists) for data tables that are one-to-one with the application table. Deletes the entries (if they exist) for data tables that are one-to-many with the application table.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	

Name	Description	Required	Default	Pattern
apptableId	apptableId	X	null	

#### Return Type

[DeleteDataTablesDatatableAppTableIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 145. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteDataTable sDatatableAppT ableIdResponse</a>

#### Samples

**DELETE /datatables/{datatable}/{apptableId}/{datatableId}**

#### Operation Id

deleteDatatableEntries1

Delete Entry in Datatable (One to Many)

#### Description

Deletes the entry (if it exists) for data tables that are one to many with the application table.

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptableId	apptableId	X	null	
datatableId	datatableId	X	null	

#### Return Type

[DeleteDataTablesDatatableAppTableIdDatatableIdResponse](#)

## Content Type

- application/json

## Responses

Table 146. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteDataTable</a> <a href="#">sDatatableAppT</a> <a href="#">ableIdDatatable</a> <a href="#">IdResponse</a>

## Samples

### POST /datatables/deregister/{datatable}

#### Operation Id

deregisterDatatable

Deregister Data Table

#### Description

Deregisters a data table. It will no longer be available through the API.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	

#### Return Type

[PutDataTablesResponse](#)

## Content Type

- application/json

## Responses

Table 147. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutDataTablesResponse</a>

## Samples

### GET /datatables/{datatable}

#### Operation Id

getDatatable

Retrieve Data Table Details

#### Description

Lists a registered data table details and the Apache Fineract Core application table they are registered to.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	

#### Return Type

[GetDataTablesResponse](#)

#### Content Type

- application/json

#### Responses

Table 148. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetDataTablesResponse</a>

## Samples

### GET /datatables/{datatable}/{apptableId}



## Operation Id

getDatatable1

Retrieve Entry(s) from Data Table

## Description

Gets the entry (if it exists) for data tables that are one to one with the application table. Gets the entries (if they exist) for data tables that are one to many with the application table. Note: The 'fields' parameter is not available for datatables. ARGUMENTS orderoptional Specifies the order in which data is returned.genericResultSetoptional, defaults to false If 'true' an optimised JSON format is returned suitable for tabular display of data. This format is used by the default data tables UI functionality. Example Requests: datatables/extra\_client\_details/1 datatables/extra\_family\_details/1?order=Date of Birth desc datatables/extra\_client\_details/1?genericResultSet=true

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptableId	apptableId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
order	order	-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 149. http response codes

Code	Message	Datatype
200	OK	[String]

## Samples

**GET /datatables/{datatable}/{apptableId}/{datatableId}**

### Operation Id

getDatatableManyEntry

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
datatable		X	null	
apptableId		X	null	
datatableId		X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
order		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 150. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### GET /datatables

### Operation Id

getDatatables

List Data Tables

## Description

Lists registered data tables and the Apache Fineract Core application table they are registered to. ARGUMENTS apptable - optional The Apache Fineract core application table. Example Requests: datatables?apptable=m\_client datatables

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
apptable	apptable	-	null	

## Return Type

array[[GetDataTablesResponse](#)]

## Content Type

- application/json

## Responses

Table 151. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetDataTablesResponse</a> ]

## Samples

**POST /datatables/register/{datatable}/{apptable}**

### Operation Id

registerDatatable

Register Data Table

## Description

Registers a data table with the Apache Fineract Core application table. This allows the data table to be maintained through the API. In case the datatable is a PPI (survey table), a parameter category should be pass along with the request. The API currently support one category (200)

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptable	apptable	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	-		

## Return Type

*PutDataTablesResponse*

## Content Type

- application/json

## Responses

Table 152. http response codes

Code	Message	Datatype
200	OK	<i>PutDataTablesResponse</i>

## Samples

**PUT /datatables/{datatableName}**

## Operation Id

updateDatatable

Update Data Table

## Description

Modifies fields of a data table. If the apptableName parameter is passed, data table is deregistered and registered with the new application table.

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
datatableName	datatableName	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutDataTablesRequest	<a href="#">PutDataTablesRequest</a>	X		

### Return Type

[PutDataTablesResponse](#)

### Content Type

- application/json

### Responses

Table 153. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutDataTablesResponse</a>

### Samples

**PUT /datatables/{datatable}/{apptableId}/{datatableId}**

### Operation Id

updateDatatableEntryOneToMany

Update Entry in Data Table (One to Many)

### Description

Updates the row (if it exists) of the data table.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptableId	apptableId	X	null	
datatableId	datatableId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutDataTablesAppTableIdDatatableIdRequest	<a href="#">PutDataTablesAppTableIdDatatableIdRequest</a>	X		

## Return Type

[PutDataTablesAppTableIdDatatableIdResponse](#)

## Content Type

- application/json

## Responses

Table 154. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutDataTablesAppTableIdDatatableIdResponse</a>

## Samples

**PUT /datatables/{datatable}/{apptableId}**

## Operation Id

updateDatatableEntryOnetoOne

Update Entry in Data Table (One to One)

## Description

Updates the row (if it exists) of the data table.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
datatable	datatable	X	null	
apptableId	apptableId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutDataTablesAppTableIdRequest	<a href="#">PutDataTablesAppTableIdRequest</a>	X		

## Return Type

[PutDataTablesAppTableIdResponse](#)

## Content Type

- application/json

## Responses

Table 155. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutDataTablesAppTableIdResponse</a>

## Samples

## Default

**POST** /email/campaign/{resourceId}

## Operation Id

activate

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

## Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 156. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## POST /creditBureauIntegration/addCreditReport

## Operation Id

addCreditReport

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Query Parameters

Name	Description	Required	Default	Pattern
creditBureauId	creditBureauId	-	null	



**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 157. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST** /{entity}/{entityId}/images

**Operation Id**

addNewClientImage1

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
entity		X	null	
entityId		X	null	

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Header Parameters**

Name	Description	Required	Default	Pattern
Content-Length		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 158. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST /email**

**Operation Id**

create1

**Description**

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 159. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

## POST /email/campaign

### Operation Id

createCampaign

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 160. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## POST /smscampaigns

### Operation Id

createCampaign1

Create a SMS Campaign

### Description

Mandatory Fields campaignName, campaignType, triggerType, providerId, runReportId, message  
Mandatory Fields for Cash based on selected report id paramValue in json format

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
CommandWrapper	<i>CommandWrapper</i>	X		

#### Return Type

*CommandProcessingResult*

#### Content Type

- application/json

#### Responses

Table 161. http response codes

Code	Message	Datatype
200	OK	<i>CommandProcessingResult</i>

#### Samples

**DELETE /email/{resourceId}**

#### Operation Id

delete1

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 162. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**DELETE /email/campaign/{resourceId}**

#### Operation Id

delete2

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 163. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**DELETE /smscampaigns/{campaignId}**

#### Operation Id

delete3

Delete a SMS Campaign

#### Description

Note: Only closed SMS Campaigns can be deleted

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
campaignId		X	null	

### Return Type

[CommandProcessingResult](#)

### Content Type

- /

### Responses

Table 164. http response codes

Code	Message	Datatype
200	OK	<a href="#">CommandProcessingResult</a>

### Samples

**DELETE** /officetransactions/{transactionId}

### Operation Id

delete8

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
transactionId		X	null	

### Return Type

[\[String\]](#)

### Content Type

- application/json

## Responses

Table 165. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE /{entity}/{entityId}/images**

### Operation Id

deleteClientImage

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entity		X	null	
entityId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 166. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE /creditBureauIntegration/deleteCreditReport/{creditBureauId}**

### Operation Id

deleteCreditReport

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
creditBureauId	creditBureauId	X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 167. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### POST /creditBureauIntegration/creditReport

## Operation Id

fetchCreditReport

## Description

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
request_body	[object]	-		

## Return Type

[String]

## Content Type

- application/json



## Responses

Table 168. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /echo

#### Operation Id

get

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- text/plain

## Responses

Table 169. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /application.wadl/{path}

#### Operation Id

getExternalGrammar

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
path		X	null	

### Return Type

-

### Content Type

- application/xml

### Responses

Table 170. http response codes

Code	Message	Datatype
0	default response	<<>>

### Samples

**GET /creditBureauIntegration/creditReport/{creditBureauId}**

### Operation Id

getSavedCreditReport

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
creditBureauId	creditBureauId	X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 171. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /application.wadl

### Operation Id

getWadl

### Description

### Parameters

### Return Type

-

### Content Type

- application/vnd.sun.wadl+xml
- application/xml

### Responses

Table 172. http response codes

Code	Message	Datatype
0	default response	<<>>

### Samples

## POST /smscampaigns/{campaignId}

### Operation Id

handleCommands

### SMS Campaign

### Description

Activates | Deactivates | Reactivates

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
campaignId		X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[CommandProcessingResult](#)

## Content Type

- application/json

## Responses

Table 173. http response codes

Code	Message	Datatype
200	OK	<a href="#">CommandProcessingResult</a>

## Samples

### GET /officetransactions/template

## Operation Id

newOfficeTransactionDetails

## Description

## Parameters

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 174. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### POST /email/campaign/preview

#### Operation Id

preview

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 175. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### POST /smscampaigns/preview

#### Operation Id

preview1

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 176. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /email/configuration**

**Operation Id**

retrieveAll5

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 177. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /twofactor/configure**

**Operation Id**

retrieveAll9

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 178. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /email/campaign**

**Operation Id**

retrieveAllCampaign

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 179. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

## GET /email/messageByStatus

### Operation Id

retrieveAllEmailByStatus

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch		-	null	
offset		-	null	
limit		-	null	
status		-	null	
orderBy		-	null	
sortOrder		-	null	
fromDate		-	null	
toDate		-	null	
locale		-	null	
dateFormat		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 180. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### GET /email



## Operation Id

retrieveAllEmails

## Description

## Parameters

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 181. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## GET /smscampaigns

## Operation Id

retrieveAllEmails1

List SMS Campaigns

## Description

Example Requests: smscampaigns

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

## Return Type

*SmsCampaignData*

## Content Type

- application/json

## Responses

Table 182. http response codes

Code	Message	Datatype
200	OK	<i>SmsCampaignData</i>

## Samples

### GET /smscampaigns/{resourceId}

#### Operation Id

retrieveCampaign

Retrieve a SMS Campaign

## Description

Example Requests: smscampaigns/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

## Return Type

*SmsCampaignData*

## Content Type

- application/json

## Responses

Table 183. http response codes

Code	Message	Datatype
200	OK	<i>SmsCampaignData</i>

#### Samples

#### GET /email/failedEmail

#### Operation Id

retrieveFailedEmail

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 184. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

#### GET /{entity}/{entityId}/images

**Operation Id**

retrieveImage

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
entity		X	null	
entityId		X	null	

**Header Parameters**

Name	Description	Required	Default	Pattern
Accept		-	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
maxWidth		-	null	
maxHeight		-	null	
output		-	null	

**Return Type**

-

**Content Type**

• /

**Responses**

Table 185. http response codes

Code	Message	Datatype
0	default response	<<>>

**Samples**

## GET /officetransactions

### Operation Id

retrieveOfficeTransactions

### Description

### Parameters

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 186. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /email/{resourceId}

### Operation Id

retrieveOne1

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 187. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /email/campaign/{resourceId}**

### Operation Id

retrieveOneCampaign

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 188. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /email/campaign/template/{resourceId}**

### Operation Id

retrieveOneTemplate

### Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 189. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### GET /email/pendingEmail

### Operation Id

retrievePendingEmail

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 190. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /email/sentEmail

## Operation Id

retrieveSentEmail

## Description

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 191. http response codes

Code	Message	Datatype
0	default response	[String]



## Samples

### POST /creditBureauIntegration/saveCreditReport

#### Operation Id

saveCreditReport

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
creditBureauId	creditBureauId	-	null	
nationalId	nationalId	-	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 192. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /email/campaign/template

#### Operation Id

template1

#### Description

#### Parameters

#### Return Type

[String]

## Content Type

- application/json

## Responses

Table 193. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /smscampaigns/template

#### Operation Id

template2

Retrieve a SMS Campaign

#### Description

Example Requests: smscampaigns/1 smscampaigns/1?template=true smscampaigns/template

#### Parameters

#### Return Type

*SmsCampaignData*

## Content Type

- /

## Responses

Table 194. http response codes

Code	Message	Datatype
200	OK	<i>SmsCampaignData</i>

## Samples

### POST /officetransactions

#### Operation Id

transferMoneyFrom

## Description

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 195. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### PUT /email/{resourceId}

## Operation Id

update2

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 196. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /email/campaign/{resourceId}**

**Operation Id**

updateCampaign

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
resourceId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 197. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /smscampaigns/{campaignId}**

## Operation Id

updateCampaign1

Update a Campaign

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
campaignId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
CommandWrapper	<i>CommandWrapper</i>	X		

## Return Type

*CommandProcessingResult*

## Content Type

- application/json

## Responses

Table 198. http response codes

Code	Message	Datatype
200	OK	<i>CommandProcessingResult</i>

## Samples

**PUT /{entity}/{entityId}/images**

**Operation Id**

updateClientImage1

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
entity		X	null	
entityId		X	null	

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Header Parameters**

Name	Description	Required	Default	Pattern
Content-Length		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 199. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

## PUT /email/configuration

### Operation Id

updateConfiguration

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 200. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## PUT /twofactor/configure

### Operation Id

updateConfiguration3

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 201. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

# DepositAccountOnHoldFundTransactions

GET /savingsaccounts/{savingsId}/onholdtransactions

## Operation Id

retrieveAll28

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
savingsId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
guarantorFundingId		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

## Return Type

[String]



**Content Type**

- application/json

**Responses**

Table 202. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**DeviceRegistration**

**DELETE /self/device/registration/{id}**

**Operation Id**

delete5

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
id		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 203. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST /self/device/registration**

**Operation Id**

registerDevice

**Description**

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 204. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /self/device/registration**

**Operation Id**

retrieveAllDeviceRegistrations

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

## Responses

Table 205. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /self/device/registration/{id}**

### Operation Id

retrieveDeviceRegistration

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
id		X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 206. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /self/device/registration/client/{clientId}**

### Operation Id

retrieveDeviceRegistrationByClientId

### Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 207. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

PUT /self/device/registration/{id}

### Operation Id

updateDeviceRegistration

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
id		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 208. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## Documents

### POST /{entityType}/{entityId}/documents

#### Operation Id

createDocument

Create a Document

#### Description

Note: A document is created using a Multi-part form upload  
Body Parts name : Name or summary of the document  
description : Description of the document  
file : The file to be uploaded  
Mandatory Fields : file and description

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	

##### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
description	[string]	-	null	
locale	[string]	-	null	
name	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Header Parameters

Name	Description	Required	Default	Pattern
Content-Length	Content-Length	-	null	

## Return Type

[\*PostEntityTypeEntityIdDocumentsResponse\*](#)

## Content Type

- application/json

## Responses

Table 209. http response codes

Code	Message	Datatype
200	Not Shown (multi-part form data)	<a href="#"><i>PostEntityTypeEntityIdDocumentsResponse</i></a>

## Samples

**DELETE** `/{{entityType}}/{{entityId}}/documents/{{documentId}}`

## Operation Id

deleteDocument

Remove a Document

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	
documentId	documentId	X	null	

## Return Type

[\*DeleteEntityTypeEntityIdDocumentsResponse\*](#)

## Content Type

- application/json

## Responses

Table 210. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteEntityTypeEntityIdDocumentsResponse</a>

## Samples

GET /{entityType}/{entityId}/documents/{documentId}/attachment

## Operation Id

downloadFile

Retrieve Binary File associated with Document

## Description

Request used to download the file associated with the document Example Requests:  
clients/1/documents/1/attachment loans/1/documents/1/attachment

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	
documentId	documentId	X	null	

## Return Type

-

## Responses

Table 211. http response codes

Code	Message	Datatype
200	Not Shown: The corresponding Binary file	<<>>

## Samples

**GET** /{entityType}/{entityId}/documents/{documentId}

### Operation Id

getDocument

Retrieve a Document

### Description

Example Requests: clients/1/documents/1 loans/1/documents/1  
client\_identifiers/1/documents/1?fields=name,description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	
documentId	documentId	X	null	

### Return Type

[GetEntityTypeEntityIdDocumentsResponse](#)

### Content Type

- application/json

### Responses

Table 212. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetEntityTypeEntityIdDocumentsResponse</a>

## Samples

**GET** /{entityType}/{entityId}/documents

### Operation Id

retrieveAllDocuments



List documents

### Description

Example Requests: clients/1/documents client\_identifiers/1/documents  
loans/1/documents?fields=name,description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	

### Return Type

array[[GetEntityTypeEntityIdDocumentsResponse](#)]

### Content Type

- application/json

### Responses

Table 213. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetEntityTypeEntityIdDocumentsResponse</a> ]

### Samples

**PUT** /{entityType}/{entityId}/documents/{documentId}

### Operation Id

updateDocument

Update a Document

### Description

Note: A document is updated using a Multi-part form upload Body Parts name Name or summary of the document description Description of the document file The file to be uploaded

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType	entityType	X	null	
entityId	entityId	X	null	
documentId	documentId	X	null	

### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
description	[string]	-	null	
locale	[string]	-	null	
name	[string]	-	null	
uploadedInputStream	[file]	-	null	

### Header Parameters

Name	Description	Required	Default	Pattern
Content-Length	Content-Length	-	null	

## Return Type

[\*PutEntityTypeEntityIdDocumentsResponse\*](#)

## Content Type

- application/json

## Responses

Table 214. http response codes

Code	Message	Datatype
200	Not Shown (multi-part form data)	<a href="#"><i>PutEntityTypeEntityIdDocumentsResponse</i></a>

## Samples

# EntityDataTable

## POST /entityDatatableChecks

### Operation Id

createEntityDatatableCheck

Create Entity-Datatable Checks

### Description

Mandatory Fields : entity, status, datatableName Non-Mandatory Fields : productId

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostEntityDatatableChecksTemplateRequest	<a href="#">PostEntityDatatableChecksTemplateRequest</a>	X		

### Return Type

[PostEntityDatatableChecksTemplateResponse](#)

### Content Type

- application/json

### Responses

Table 215. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostEntityDatatableChecksTemplateResponse</a>

### Samples

## DELETE /entityDatatableChecks/{entityDatatableCheckId}

### Operation Id

deleteDatatable1

Delete Entity-Datatable Checks

## Description

Deletes an existing Entity-Datatable Check

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityDatatableCheckId	entityDatatableCheckId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[\*DeleteEntityDatatableChecksTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 216. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteEntityDatatableChecksTemplateResponse</i></a>

## Samples

### GET /entityDatatableChecks/template

## Operation Id

getTemplate

Retrieve Entity-Datatable Checks Template

## Description

This is a convenience resource useful for building maintenance user interface screens for Entity-Datatable Checks applications. The template data returned consists of: Allowed description Lists  
Example Request: entityDatatableChecks/template

## Parameters

## Return Type

[\*GetEntityDatatableChecksTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 217. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetEntityDatatableChecksTemplateResponse</i></a>

## Samples

### GET /entityDatatableChecks

#### Operation Id

retrieveAll6

List Entity-Datatable Checks

## Description

The list capability of Entity-Datatable Checks can support pagination. OPTIONAL ARGUMENTS offset Integer optional, defaults to 0 Indicates the result from which pagination startslimit Integer optional, defaults to 200 Restricts the size of results returned. To override the default and return all entries you must explicitly pass a non-positive integer value for limit e.g. limit=0, or limit=-1 Example Request: entityDatatableChecks?offset=0&limit=15

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
status	status	-	null	
entity	entity	-	null	
productId	productId	-	null	
offset	offset	-	null	
limit	limit	-	null	

### Return Type

array[[GetEntityDatatableChecksResponse](#)]

### Content Type

- application/json

### Responses

Table 218. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetEntityDatatableChecksResponse</a> ]

### Samples

## EntityFieldConfiguration

GET /fieldconfiguration/{entity}

### Operation Id

getAddresses

Retrieves the Entity Field Configuration

### Description

It retrieves all the Entity Field Configuration

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
entity	entity	X	null	

### Return Type

array[[GetFieldConfigurationEntityResponse](#)]

### Content Type

- application/json

## Responses

Table 219. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFieldConfigurationEntityResponse</a> ]

## Samples

## ExternalServices

GET /externalservice/{servicename}

### Operation Id

retrieveOne2

Retrieve External Services Configuration

### Description

Returns a external Service configurations based on the Service Name. Service Names supported are S3 and SMTP. Example Requests: externalservice/SMTP

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
servicename	servicename	X	null	

### Return Type

[ExternalServicesPropertiesData](#)

### Content Type

- application/json

## Responses

Table 220. http response codes

Code	Message	Datatype
200	OK	<a href="#">ExternalServicesPropertiesData</a>

Samples

**PUT /externalservice/{servicename}**

**Operation Id**

updateExternalServiceProperties

Update External Service

**Description**

Updates the external Service Configuration for a Service Name. Example: externalservice/S3

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
servicename	servicename	X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
PutExternalServiceRequest	<a href="#">PutExternalServiceRequest</a>	X		

**Return Type**

-

**Responses**

Table 221. http response codes

Code	Message	Datatype
200	OK	<<>>

Samples

**FetchAuthenticatedUserDetails**

**GET /userdetails**

**Operation Id**

fetchAuthenticatedUserData



Fetch authenticated user details

### Description

checks the Authentication and returns the set roles and permissions allowed.

### Parameters

### Return Type

[GetUserDetailsResponse](#)

### Content Type

- application/json

### Responses

Table 222. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetUserDetailsResponse</a>

### Samples

## FineractEntity

### POST /entitytoentitymapping/{relId}

### Operation Id

createMap

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
relId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 223. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**DELETE /entitytoentitymapping/{mapId}**

**Operation Id**

delete4

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
mapId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 224. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

## GET /entitytoentitymapping/{mapId}/{fromId}/{toId}

### Operation Id

getEntityToEntityMappings

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
mapId		X	null	
fromId		X	null	
toId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 225. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /entitytoentitymapping

### Operation Id

retrieveAll7

### Description

### Parameters

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 226. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /entitytoentitymapping/{mapId}

#### Operation Id

retrieveOne4

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
mapId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 227. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### PUT /entitytoentitymapping/{mapId}

#### Operation Id

updateMap

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
mapId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 228. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## FixedDepositAccount

GET /fixeddepositaccounts/{accountId}/template

### Operation Id

accountClosureTemplate

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 229. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

**DELETE /fixeddepositaccounts/{accountId}**

## Operation Id

delete14

Delete a fixed deposit application

## Description

At present we support hard delete of fixed deposit application so long as its in 'Submitted and pending approval' state. Once the application moves past this state, it is not possible to do a 'hard' delete of the application or the account. An API endpoint will be added to close/de-activate the fixed deposit account.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Return Type

[DeleteFixedDepositAccountsAccountIdResponse](#)

## Content Type

- application/json

## Responses

Table 230. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteFixedDepositAccountsAccountIdResponse</a>

## Samples

### GET /fixeddepositaccounts/downloadtemplate

#### Operation Id

getFixedDepositTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

#### Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 231. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### GET /fixeddepositaccounts/transaction/downloadtemplate

#### Operation Id

getFixedDepositTransactionTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

#### Responses

Table 232. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /fixeddepositaccounts/{accountId}

#### Operation Id

handleCommands4

Approve fixed deposit application | Undo approval fixed deposit application | Reject fixed deposit application | Withdraw fixed deposit application | Activate a fixed deposit account | Close a fixed deposit account | Premature Close a fixed deposit account | Calculate Premature amount on Fixed deposit account | Calculate Interest on Fixed Deposit Account | Post Interest on Fixed Deposit Account

#### Description

Approve fixed deposit application: Approves fixed deposit application so long as its in 'Submitted and



pending approval' state. Undo approval fixed deposit application: Will move 'approved' fixed deposit application back to 'Submitted and pending approval' state. Reject fixed deposit application: Rejects fixed deposit application so long as its in 'Submitted and pending approval' state. Withdraw fixed deposit application: Used when an applicant withdraws from the fixed deposit application. It must be in 'Submitted and pending approval' state. Close a fixed deposit account: Results in a Matured fixed deposit account being converted into a 'closed' fixed deposit account. Premature Close a fixed deposit account: Results in an Active fixed deposit account being converted into a 'Premature Closed' fixed deposit account with options to withdraw prematured amount. (premature amount is calculated using interest rate chart applicable along with penal interest if any.) Calculate Premature amount on Fixed deposit account: Calculate premature amount on fixed deposit account till premature close date. Premature amount is calculated based on interest chart and penal interest applicable. Calculate Interest on Fixed Deposit Account: Calculates interest earned on a fixed deposit account based on todays date. It does not attempt to post or credit the interest on the account. That is responsibility of the Post Interest API that will likely be called by overnight process. Post Interest on Fixed Deposit Account: Calculates and Posts interest earned on a fixed deposit account based on today's date and whether an interest posting or crediting event is due. Showing request/response for Calculate Interest on Fixed Deposit Account

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	X		

##### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

#### Return Type

[\*PostFixedDepositAccountsAccountIdResponse\*](#)

#### Content Type

- application/json

## Responses

Table 233. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostFixedDepositAccountsAccountIdResponse</a>

## Samples

### POST /fixeddepositaccounts/uploadtemplate

#### Operation Id

postFixedDepositTemplate

#### Description

#### Parameters

#### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	<a href="#">[string]</a>	-	null	
locale	<a href="#">[string]</a>	-	null	
uploadedInputStream	<a href="#">[file]</a>	-	null	

#### Return Type

[\[String\]](#)

#### Content Type

- /

## Responses

Table 234. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### POST /fixeddepositaccounts/transaction/uploadtemplate

## Operation Id

postFixedDepositTransactionTemplate

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Return Type

[String]

## Content Type

• /

## Responses

Table 235. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## GET /fixeddepositaccounts

## Operation Id

retrieveAll29

List Fixed deposit applications/accounts

## Description

Lists Fixed Deposit Accounts Example Requests: fixeddepositaccounts  
fixeddepositaccounts?fields=name

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
paged	paged	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

array[[GetFixedDepositAccountsResponse](#)]

## Content Type

- application/json

## Responses

Table 236. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFixedDepositAccountsResponse</a> ]

## Samples

**GET** /fixeddepositaccounts/{accountId}

## Operation Id

retrieveOne18

Retrieve a fixed deposit application/account

## Description

Retrieves a fixed deposit application/account Example Requests : fixeddepositaccounts/1  
fixeddepositaccounts/1?associations=all

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	
chargeStatus	chargeStatus	-	all	

### Return Type

[\*GetFixedDepositAccountsAccountIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 237. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetFixedDepositAccountsAccountIdResponse</i></a>

### Samples

### POST /fixeddepositaccounts

### Operation Id

submitApplication

Submit new fixed deposit application

### Description

Submits a new fixed deposit applicationMandatory Fields: clientId or groupId, productId, submittedOnDate, depositAmount, depositPeriod, depositPeriodFrequencyId Optional Fields: accountNo, externalId, fieldOfficerId,linkAccountId(if provided initial deposit amount will be collected from this account),transferInterestToSavings(By enabling this flag all interest postings will be transferred to linked saving account )

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostFixedDepositAccountsRequest	<a href="#">PostFixedDepositAccountsRequest</a>	X		

### Return Type

[PostFixedDepositAccountsResponse](#)

### Content Type

- application/json

### Responses

Table 238. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostFixedDepositAccountsResponse</a>

### Samples

#### GET /fixeddepositaccounts/template

#### Operation Id

template12

Retrieve Fixed Deposit Account Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for fixed deposit applications. The template data returned consists of any or all of: Field Defaults Allowed Value ListsExample Requests: fixeddepositaccounts/template?clientId=1

### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	

Name	Description	Required	Default	Pattern
groupId	groupId	-	null	
productId	productId	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

### Return Type

[\*GetFixedDepositAccountsTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 239. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetFixedDepositAccountsTemplateResponse</i></a>

### Samples

**PUT /fixeddepositaccounts/{accountId}**

### Operation Id

update15

Modify a fixed deposit application

### Description

Fixed deposit application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method. Specific api endpoints will be created to allow change of interest detail such as rate, compounding period, posting period etc

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutFixedDepositAccountsAccountIdRequest	<a href="#">PutFixedDepositAccountsAccountIdRequest</a>	X		

## Return Type

[PutFixedDepositAccountsAccountIdResponse](#)

## Content Type

- application/json

## Responses

Table 240. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutFixedDepositAccountsAccountIdResponse</a>

## Samples

## FixedDepositAccountTransactions

POST /fixeddepositaccounts/{fixedDepositAccountId}/transactions/{transactionId}

## Operation Id

adjustTransaction

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
fixedDepositAccountId		X	null	
transactionId		X	null	

## Body Parameter



Name	Description	Required	Default	Pattern
body	[string]	-		

### Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 241. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

**GET /fixeddepositaccounts/{fixedDepositAccountId}/transactions/{transactionId}**

### Operation Id

retrieveOne17

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
fixedDepositAccountId		X	null	
transactionId		X	null	

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 242. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /fixeddepositaccounts/{fixedDepositAccountId}/transactions/template**

## Operation Id

retrieveTemplate13

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
fixedDepositAccountId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 243. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**POST /fixeddepositaccounts/{fixedDepositAccountId}/transactions**

## Operation Id

transaction

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
fixedDepositAccountId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 244. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**FixedDepositProduct**

**POST /fixeddepositproducts**

**Operation Id**

create11

Create a Fixed Deposit Product

## Description

Creates a Fixed Deposit Product Mandatory Fields: name, shortName, description, currencyCode, digitsAfterDecimal, inMultiplesOf, interestCompoundingPeriodType, interestCalculationType, interestCalculationDaysInYearType, minDepositTerm, minDepositTermTypeId, accountingRule Optional Fields: lockinPeriodFrequency, lockinPeriodFrequencyType, maxDepositTerm, maxDepositTermTypeId, inMultiplesOfDepositTerm, inMultiplesOfDepositTermTypeId, preClosurePenalApplicable, preClosurePenalInterest, preClosurePenalInterestOnTypeId, feeToIncomeAccountMappings, penaltyToIncomeAccountMappings, charges, charts, , withHoldTax, taxGroupId Mandatory Fields for Cash based accounting (accountingRule = 2): savingsReferenceAccountId, savingsControlAccountId, interestOnSavingsAccountId, incomeFromFeeAccountId, transfersInSuspenseAccountId, incomeFromPenaltyAccountId

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostFixedDepositProductsRequest	<a href="#">PostFixedDepositProductsRequest</a>	X		

## Return Type

[PostFixedDepositProductsResponse](#)

## Content Type

- application/json

## Responses

Table 245. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostFixedDepositProductsResponse</a>

## Samples

**DELETE** /fixeddepositproducts/{productId}

### Operation Id

delete15

Delete a Fixed Deposit Product

## Description

Deletes a Fixed Deposit Product

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Return Type

[\*DeleteFixedDepositProductsProductIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 246. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteFixedDepositProductsProductIdResponse</i></a>

## Samples

### GET /fixeddepositproducts

#### Operation Id

retrieveAll30

List Fixed Deposit Products

## Description

Lists Fixed Deposit Products      Example      Requests:      fixeddepositproducts  
fixeddepositproducts?fields=name

## Parameters

## Return Type

array[[\*GetFixedDepositProductsResponse\*](#)]

## Content Type

- application/json

## Responses

Table 247. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFixedDepositProductsResponse</a> ]

## Samples

### GET /fixeddepositproducts/{productId}

#### Operation Id

retrieveOne19

Retrieve a Fixed Deposit Product

#### Description

Retrieves a Fixed Deposit Product Example Requests: fixeddepositproducts/1  
fixeddepositproducts/1?template=true fixeddepositproducts/1?fields=name,description

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

#### Return Type

[GetFixedDepositProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 248. http response codes

Code	Message	Datatype
200	OK	<i>GetFixedDepositProductsProductIdResponse</i>

#### Samples

**GET /fixeddepositproducts/template**

#### Operation Id

retrieveTemplate14

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 249. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**PUT /fixeddepositproducts/{productId}**

#### Operation Id

update16

Update a Fixed Deposit Product

#### Description

Updates a Fixed Deposit Product

#### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutFixedDepositProductsProductIdRequest	<a href="#">PutFixedDepositProductsProductIdRequest</a>	X		

## Return Type

[PutFixedDepositProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 250. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutFixedDepositProductsProductIdResponse</a>

## Samples

## FloatingRates

### POST /floatingrates

#### Operation Id

createFloatingRate

Create a new Floating Rate

#### Description

Creates a new Floating Rate Mandatory Fields: name Optional Fields: isBaseLendingRate, isActive, ratePeriods



## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostFloatingRatesRequest	<a href="#">PostFloatingRatesRequest</a>	X		

### Return Type

[PostFloatingRatesResponse](#)

### Content Type

- application/json

### Responses

Table 251. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostFloatingRatesResponse</a>

### Samples

#### GET /floatingrates

#### Operation Id

retrieveAll22

List Floating Rates

#### Description

Lists Floating Rates

#### Parameters

#### Return Type

array[[GetFloatingRatesResponse](#)]

#### Content Type

- application/json

## Responses

Table 252. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFloatingRatesResponse</a> ]

## Samples

**GET /floatingrates/{floatingRateId}**

### Operation Id

retrieveOne12

Retrieve Floating Rate

### Description

Retrieves Floating Rate

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
floatingRateId	floatingRateId	X	null	

### Return Type

[GetFloatingRatesFloatingRateIdResponse](#)

### Content Type

- application/json

## Responses

Table 253. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetFloatingRatesFloatingRateIdResponse</a>

## Samples

## PUT /floatingrates/{floatingRateId}

### Operation Id

updateFloatingRate

Update Floating Rate

### Description

Updates new Floating Rate. Rate Periods in the past cannot be modified. All the future rateperiods would be replaced with the new ratePeriods data sent.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
floatingRateId	floatingRateId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutFloatingRatesFloatingRateIdRequest	<a href="#">PutFloatingRatesFloatingRateIdRequest</a>	X		

### Return Type

[PutFloatingRatesFloatingRateIdResponse](#)

### Content Type

- application/json

### Responses

Table 254. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutFloatingRatesFloatingRateIdResponse</a>

### Samples

## Funds

### POST /funds

#### Operation Id

createFund

Create a Fund

#### Description

Creates a Fund

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostFundsRequest	<a href="#">PostFundsRequest</a>	X		

#### Return Type

[PostFundsResponse](#)

#### Content Type

- application/json

#### Responses

Table 255. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostFundsResponse</a>

#### Samples

### GET /funds/{fundId}

#### Operation Id

retrieveFund

Retrieve a Fund

## Description

Returns the details of a Fund. Example Requests: funds/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
fundId	fundId	X	null	

## Return Type

[GetFundsResponse](#)

## Content Type

- application/json

## Responses

Table 256. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetFundsResponse</a>

## Samples

### GET /funds

#### Operation Id

retrieveFunds

Retrieve Funds

## Description

Returns the list of funds. Example Requests: funds

## Parameters

## Return Type

array[[GetFundsResponse](#)]

## Content Type

- application/json

## Responses

Table 257. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFundsResponse</a> ]

## Samples

### PUT /funds/{fundId}

#### Operation Id

updateFund

Update a Fund

#### Description

Updates the details of a fund.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
fundId	fundId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutFundsFundIdRequest	<a href="#">PutFundsFundIdRequest</a>	X		

#### Return Type

[PutFundsFundIdResponse](#)

## Content Type

- application/json

## Responses

Table 258. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutFundsFundI dResponse</a>

## Samples

### GeneralLedgerAccount

#### POST /glaccounts

##### Operation Id

createGLAccount1

Create a General Ledger Account

##### Description

Note: You may optionally create Hierarchical Chart of Accounts by using the \"parentId\" property of an Account Mandatory Fields: name, glCode, type, usage and manualEntriesAllowed

##### Parameters

##### Body Parameter

Name	Description	Required	Default	Pattern
PostGLAccountsRequest	<a href="#">PostGLAccountsRequest</a>	-		

##### Return Type

[PostGLAccountsResponse](#)

##### Content Type

- application/json

## Responses

Table 259. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostGLAccounts Response</a>

## Samples

**DELETE /glaccounts/{glAccountId}**

### Operation Id

deleteGLAccount1

Delete an accounting closure

### Description

Note: Only the latest accounting closure associated with a branch may be deleted.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
glAccountId	glAccountId	X	null	

### Return Type

[\*DeleteGLAccountsRequest\*](#)

### Content Type

- application/json

### Responses

Table 260. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteGLAccountsRequest</i></a>

## Samples

**GET /glaccounts/downloadtemplate**

### Operation Id

getGLAccountsTemplate

### Description

### Parameters



## Query Parameters

Name	Description	Required	Default	Pattern
dateFormat		-	null	

## Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 261. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

## POST /glaccounts/uploadtemplate

## Operation Id

postGlAccountsTemplate

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Return Type

[String]

## Content Type

- /

## Responses

Table 262. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET** /glaccounts/{glAccountId}

### Operation Id

retrieveAccount

Retrieve a General Ledger Account

### Description

Example Requests: glaccounts/1 glaccounts/1?template=true glaccounts/1?fields=name,glCode  
glaccounts/1?fetchRunningBalance=true

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
glAccountId	glAccountId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
fetchRunningBalance	fetchRunningBalance	-	null	

## Return Type

*GetGLAccountsResponse*

## Content Type

- application/json

## Responses

Table 263. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGLAccountsResponse</a>

## Samples

## GET /glaccounts

### Operation Id

retrieveAllAccounts

List General Ledger Accounts

### Description

ARGUMENTS type Integer optional manualEntriesAllowed boolean optional usage Integer optional disabled boolean optional parentId Long optional tagId Long optional Example Requests: glaccounts glaccounts?type=1&manualEntriesAllowed=true&usage=1&disabled=false glaccounts?fetchRunningBalance=true

### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
type	type	-	null	
searchParam	searchParam	-	null	
usage	usage	-	null	
manualEntriesAllowed	manualEntriesAllowed	-	null	
disabled	disabled	-	null	
fetchRunningBalance	fetchRunningBalance	-	null	

### Return Type

array[[GetGLAccountsResponse](#)]

### Content Type

- application/json

### Responses

Table 264. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetGLAccountsResponse</a> ]

## Samples

### GET /glaccounts/template

#### Operation Id

retrieveNewAccountDetails

Retrieve GL Accounts Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Request: glaccounts/template glaccounts/template?type=1 type is optional and integer value from 1 to 5. 1.Assets 2.Liabilities 3.Equity 4.Income 5.Expenses

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
type	type	-	null	

#### Return Type

[GetGLAccountsTemplateResponse](#)

#### Content Type

- application/json

#### Responses

Table 265. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGLAccountsTemplateResponse</a>

## Samples

**PUT /glaccounts/{glAccountId}**

## Operation Id

updateGLAccount1

Update an Accounting closure

## Description

Once an accounting closure is created, only the comments associated with it may be edited

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
glAccountId	glAccountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutGLAccountsRequest	<a href="#">PutGLAccountsRequest</a>	-		

## Return Type

[PutGLAccountsResponse](#)

## Content Type

- application/json

## Responses

Table 266. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutGLAccountsResponse</a>

## Samples

## GlobalConfiguration

### GET /configurations

## Operation Id

retrieveConfiguration

Retrieve Global Configuration | Retrieve Global Configuration for surveys

## Description

Returns the list global enable/disable configurations. Example Requests: configurations Returns the list global enable/disable survey configurations. Example Requests: configurations/survey

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
survey	survey	-	false	

## Return Type

array[[GetGlobalConfigurationsResponse](#)]

## Content Type

- application/json

## Responses

Table 267. http response codes

Code	Message	Datatype
200	List of example \n response \nsurveys response \ngiven below	List[ <a href="#">GetGlobalConfigurationsResponse</a> ]

## Samples

GET /configurations/{configId}

## Operation Id

retrieveOne3

Retrieve Global Configuration

## Description

Returns a global enable/disable configurations. Example Requests: configurations/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
configId	configId	X	null	

### Return Type

[\*GetGlobalConfigurationsResponse\*](#)

### Content Type

- application/json

### Responses

Table 268. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetGlobalConfigurationsResponse</i></a>

### Samples

**GET** /configurations/name/{name}

### Operation Id

retrieveOneByName

Retrieve Global Configuration

### Description

Returns a global enable/disable configuration. Example Requests: configurations/name/Enable-Address

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
name	name	X	null	

### Return Type

[\*GlobalConfigurationPropertyData\*](#)

## Content Type

- application/json

## Responses

Table 269. http response codes

Code	Message	Datatype
200	OK	<a href="#">GlobalConfigurationPropertyData</a>

## Samples

**PUT /configurations/{configId}**

## Operation Id

updateConfiguration1

Update Global Configuration

## Description

Updates an enable/disable global configuration item.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
configId	configId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutGlobalConfigurationsRequest	<a href="#">PutGlobalConfigurationsRequest</a>	X		

## Return Type

[PutGlobalConfigurationsResponse](#)

## Content Type

- application/json



## Responses

Table 270. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutGlobalConfigurationsResponse</a>

## Samples

## Groups

### POST /groups/{groupId}

#### Operation Id

activateOrGenerateCollectionSheet

Activate a Group | Associate Clients | Disassociate Clients | Transfer Clients across groups | Generate Collection Sheet | Save Collection Sheet | Unassign a Staff | Assign a Staff | Close a Group | Unassign a Role | Update a Role

#### Description

Activate a Group: Groups can be created in a Pending state. This API exists to enable group activation. If the group happens to be already active this API will result in an error. Mandatory Fields: activationDate Associate Clients: This API allows to associate existing clients to a group. The clients are listed from the office to which the group is associated. If client(s) is already associated with group then API will result in an error. Mandatory Fields: clientMembers Disassociate Clients: This API allows to disassociate clients from a group. Disassociating a client with active joint liability group loans results in an error. Mandatory Fields: clientMembers Transfer Clients across groups: This API allows to transfer clients from one group to another Mandatory Fields: destinationGroupId and clients Optional Fields: inheritDestinationGroupLoanOfficer (defaults to true) and transferActiveLoans (defaults to true) Generate Collection Sheet: This API retrieves repayment details of all jlg loans of all members of a group on a specified meeting date. Mandatory Fields: calendarId and transactionDate Save Collection Sheet: This api allows the loan officer to perform bulk repayments of JLG loans for a group on its meeting date. Mandatory Fields: calendarId, transactionDate, actualDisbursementDate Optional Fields: clientsAttendance, bulkRepaymentTransaction, bulkDisbursementTransactions Unassign a Staff: Allows you to unassign the Staff. Mandatory Fields: staffId Assign a Staff: Allows you to assign Staff to an existing Group. The selected Staff should be belong to the same office (or an office higher up in the hierarchy) as this group Mandatory Fields: staffId Optional Fields: inheritStaffForClientAccounts (Optional: Boolean if true all members of the group (i.e all clients with active loans and savings ) will inherit the staffId) Close a Group: This API exists to close a group. Groups can be closed if they don't have any non-closed clients/loans/savingsAccounts. If the group has any active clients/loans/savingsAccount, this API will result in an error. Assign a Role: Allows you to assign a Role to an existing member of a group. We can define the different roles applicable to group members by

adding code values to the pre-defined system code GROUPROLE. Example:Group leader etc. Mandatory Fields: clientId, role Unassign a Role: Allows you to unassign Roles associated tp Group members. Update a Role: Allows you to update the member Role. Mandatory Fields: role Showing request/response for Transfer Clients across groups

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostGroupsGroupIdRequest	<a href="#"><i>PostGroupsGroupIdRequest</i></a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	
roleId	roleId	-	null	

## Return Type

[\*PostGroupsGroupIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 271. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostGroupsGroupIdResponse</i></a>

## Samples

### POST /groups

## Operation Id

create8

Create a Group

## Description

Creates a Group Mandatory Fields: name, officeId, active, activationDate (if active=true) Optional Fields: externalId, staffId, clientMembers

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostGroupsRequest	<a href="#">PostGroupsRequest</a>	X		

## Return Type

[PostGroupsResponse](#)

## Content Type

- application/json

## Responses

Table 272. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostGroupsResponse</a>

## Samples

**DELETE /groups/{groupId}**

## Operation Id

delete11

Delete a Group

## Description

A group can be deleted if it is in pending state and has no associations - clients, loans or savings

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

**Return Type**

*DeleteGroupsGroupIdResponse*

**Content Type**

- application/json

**Responses**

Table 273. http response codes

Code	Message	Datatype
200	OK	<i>DeleteGroupsGr oupIdResponse</i>

**Samples**

**GET /groups/downloadtemplate**

**Operation Id**

getGroupsTemplate

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

**Return Type**

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 274. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

## POST /groups/uploadtemplate

## Operation Id

postGroupTemplate

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Return Type

[String]

## Content Type

- /

## Responses

Table 275. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## GET /groups/{groupId}/accounts

### Operation Id

retrieveAccounts

Retrieve Group accounts overview

### Description

Retrieves details of all Loan and Savings accounts associated with this group. Example Requests: groups/1/accounts      groups/1/accounts?fields=loanAccounts,savingsAccounts,memberLoanAccounts,memberSavingsAccounts

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

### Return Type

[GetGroupsGroupIdAccountsResponse](#)

### Content Type

- application/json

### Responses

Table 276. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGroupsGroupIdAccountsResponse</a>

### Samples

## GET /groups

### Operation Id

retrieveAll24

List Groups

## Description

The default implementation of listing Groups returns 200 entries with support for pagination and sorting. Using the parameter limit with description -1 returns all entries. Example Requests: groups groups?fields=name,officeName,joinedDate groups?offset=10&limit=50 groups?orderBy=name&sortOrder=DESC

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
staffId	staffId	-	null	
externalId	externalId	-	null	
name	name	-	null	
underHierarchy	underHierarchy	-	null	
paged	paged	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
orphansOnly	orphansOnly	-	null	

## Return Type

[GetGroupsResponse](#)

## Content Type

- application/json

## Responses

Table 277. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGroupsResponse</a>

## Samples

## GET /groups/{groupId}/gsimaccounts

### Operation Id

retrieveGsimAccounts

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
groupId		X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
parentGSIMAccountNo		-	null	
parentGSIMId		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 278. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /groups/{groupId}

### Operation Id

retrieveOne14

Retrieve a Group



## Description

Retrieve group information. Example Requests: groups/1 groups/1?associations=clientMembers

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	
roleId	roleId	-	null	

## Return Type

[GetGroupsGroupIdResponse](#)

## Content Type

- application/json

## Responses

Table 279. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGroupsGroupIdResponse</a>

## Samples

### GET /groups/template

#### Operation Id

retrieveTemplate7

Retrieve Group Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value

Lists Example Requests: groups/template groups/template?officeId=2 groups/template?centerId=1 groups/template?centerId=1&staffInSelectedOfficeOnly=true

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
center	center	-	null	
centerId	centerId	-	null	
command	command	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

## Return Type

[GetGroupsTemplateResponse](#)

## Content Type

- application/json

## Responses

Table 280. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetGroupsTemplateResponse</a>

## Samples

### GET /groups/{groupId}/glimaccounts

## Operation Id

retrieveglimAccounts

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
groupId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
parentLoanAccountNo		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 281. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

### POST /groups/{groupId}/command/unassign\_staff

### Operation Id

unassignLoanOfficer

Unassign a Staff

### Description

Allows you to unassign the Staff. Mandatory Fields: staffId

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostGroupsGroupIdCommandUnassignStaffRequest	<a href="#">PostGroupsGroupIdCommandUnassignStaffRequest</a>	X		

### Return Type

[PostGroupsGroupIdCommandUnassignStaffResponse](#)

### Content Type

- application/json

### Responses

Table 282. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostGroupsGroupIdCommandUnassignStaffResponse</a>

### Samples

#### PUT /groups/{groupId}

#### Operation Id

update12

Update a Group

#### Description

Updates a Group

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
groupId	groupId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutGroupsGroupIdRequest	<a href="#">PutGroupsGroupIdRequest</a>	X		

#### Return Type

[PutGroupsGroupIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 283. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutGroupsGroupIdResponse</a>

#### Samples

## GroupsLevel

### GET /grouplevels

#### Operation Id

retrieveAllGroups

#### Description

#### Parameters

#### Return Type

[\[String\]](#)

#### Content Type

- application/json

#### Responses

Table 284. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

**Samples**

**Guarantors**

**GET /loans/{loanId}/guarantors/accounts/template**

**Operation Id**

accountsTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
loanId		X	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
clientId		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 285. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST /loans/{loanId}/guarantors**

**Operation Id**

createGuarantor

**Description**

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 286. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

**DELETE** /loans/{loanId}/guarantors/{guarantorId}

### Operation Id

deleteGuarantor

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	
guarantorId		X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
guarantorFundingId		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 287. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /loans/{loanId}/guarantors/downloadtemplate**

## Operation Id

getGuarantorTemplate

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

## Return Type

-



## Content Type

- application/vnd.ms-excel

## Responses

Table 288. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### GET /loans/{loanId}/guarantors/template

#### Operation Id

newGuarantorTemplate

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 289. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### POST /loans/{loanId}/guarantors/uploadtemplate

#### Operation Id

postGuarantorTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
loanId		X	null	

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 290. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /loans/{loanId}/guarantors**

**Operation Id**

retrieveGuarantorDetails

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
loanId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 291. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

GET /loans/{loanId}/guarantors/{guarantorId}

#### Operation Id

retrieveGuarantorDetails1

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	
guarantorId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 292. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**PUT /loans/{loanId}/guarantors/{guarantorId}**

#### Operation Id

updateGuarantor

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	
guarantorId		X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 293. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

## Holidays

**POST /holidays**

**Operation Id**

createNewHoliday

Create a Holiday

**Description**

Mandatory Fields: name, description, fromDate, toDate, repaymentsRescheduledTo, offices

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
PostHolidaysRequest	<i>PostHolidaysRequest</i>	X		

**Return Type**

*PostHolidaysResponse*

**Content Type**

- application/json

**Responses**

Table 294. http response codes

Code	Message	Datatype
200	OK	<i>PostHolidaysResponse</i>

**Samples**

**DELETE /holidays/{holidayId}**

**Operation Id**

delete7

Delete a Holiday

**Description**

This API allows to delete a holiday. This is a soft delete the deleted holiday status is marked as deleted.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
holidayId	holidayId	X	null	

### Return Type

[\*DeleteHolidaysHolidayIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 295. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteHolidaysHolidayIdResponse</i></a>

### Samples

#### POST /holidays/{holidayId}

#### Operation Id

handleCommands1

Activate a Holiday

### Description

Always Holidays are created in pending state. This API allows to activate a holiday. Only the active holidays are considered for rescheduling the loan repayment.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
holidayId	holidayId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	X		

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostHolidaysHolidayIdResponse](#)

## Content Type

- application/json

## Responses

Table 296. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostHolidaysHolidayIdResponse</a>

## Samples

### GET /holidays

#### Operation Id

retrieveAllHolidays

List Holidays

## Description

Example Requests: holidays?officeId=1

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
fromDate	fromDate	-	null	

Name	Description	Required	Default	Pattern
toDate	toDate	-	null	
locale	locale	-	null	
dateFormat	dateFormat	-	null	

### Return Type

array[[GetHolidaysResponse](#)]

### Content Type

- application/json

### Responses

Table 297. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetHolidaysResponse</a> ]

### Samples

#### GET /holidays/{holidayId}

#### Operation Id

retrieveOne7

Retrieve a Holiday

### Description

Example Requests: holidays/1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
holidayId	holidayId	X	null	

### Return Type

[GetHolidaysResponse](#)



## Content Type

- application/json

## Responses

Table 298. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetHolidaysResponse</a>

## Samples

### GET /holidays/template

#### Operation Id

retrieveRepaymentScheduleUpdationTyeOptions

#### Description

#### Parameters

#### Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 299. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### PUT /holidays/{holidayId}

#### Operation Id

update6

Update a Holiday

## Description

If a holiday is in pending state (created and not activated) then all fields are allowed to modify. Once holidays become active only name and descriptions are allowed to modify.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
holidayId	holidayId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutHolidaysHolidayIdRequest	<a href="#">PutHolidaysHolidayIdRequest</a>	X		

## Return Type

[PutHolidaysHolidayIdResponse](#)

## Content Type

- application/json

## Responses

Table 300. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutHolidaysHolidayIdResponse</a>

## Samples

## Hooks

### POST /hooks

#### Operation Id

createHook

Create a Hook

## Description

The following parameters can be passed for the creation of a hook :- name - string - Required. The name of the template that is being called. (See /hooks/template for the list of valid hook names.) isActive - boolean - Determines whether the hook is actually triggered. events - array - Determines what events the hook is triggered for. config - hash - Required. Key/value pairs to provide settings for this hook. These settings vary between the templates. templateId - Optional. The UGD template ID associated with the same entity (client or loan).

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostHookRequest	<a href="#">PostHookRequest</a>	X		

## Return Type

[PostHookResponse](#)

## Content Type

- application/json

## Responses

Table 301. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostHookResponse</a>

## Samples

**DELETE** /hooks/{hookId}

### Operation Id

deleteHook

Delete a Hook

## Description

Deletes a hook.

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
hookId	hookId	X	null	

## Return Type

[\*DeleteHookResponse\*](#)

## Content Type

- application/json

## Responses

Table 302. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteHookResponse</i></a>

## Samples

**GET /hooks/{hookId}**

## Operation Id

retrieveHook

Retrieve a Hook

## Description

Returns the details of a Hook. Example Requests: hooks/1

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
hookId	hookId	X	null	

## Return Type

[\*GetHookResponse\*](#)

## Content Type

- application/json

## Responses

Table 303. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetHookResponse</a>

## Samples

### GET /hooks

#### Operation Id

retrieveHooks

Retrieve Hooks

#### Description

Returns the list of hooks. Example Requests: hooks

#### Parameters

#### Return Type

array[[GetHookResponse](#)]

## Content Type

- application/json

## Responses

Table 304. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetHookResponse</a> ]

## Samples

### GET /hooks/template

#### Operation Id

template3

## Retrieve Hooks Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: `hooks/template`

### Parameters

### Return Type

[\*GetHookTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 305. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetHookTemplateResponse</i></a>

### Samples

### PUT /hooks/{hookId}

### Operation Id

updateHook

Update a Hook

### Description

Updates the details of a hook.

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
hookId	hookId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutHookRequest	<a href="#">PutHookRequest</a>	X		

## Return Type

[PutHookResponse](#)

## Content Type

- application/json

## Responses

Table 306. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutHookResponse</a>

## Samples

# InterOperation

## POST /interoperation/quotes

## Operation Id

createQuote

Calculate Interoperation Quote

## Description

## Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
InteropQuoteRequestData	<a href="#">InteropQuoteRequestData</a>	X		

## Return Type

[InteropQuoteResponseData](#)

## Content Type

- application/json

## Responses

Table 307. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropQuoteResponseData</a>

## Samples

### POST /interoperation/requests

#### Operation Id

createTransactionRequest

Allow Interoperation Transaction Request

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
InteropTransactionRequestData	<a href="#">InteropTransactionRequestData</a>	X		

#### Return Type

[InteropTransactionRequestResponseData](#)

## Content Type

- application/json

## Responses

Table 308. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropTransactionRequestResponseData</a>



Samples

DELETE /interoperation/parties/{idType}/{idValue}

Operation Id

deleteAccountIdentifier

Allow Interoperation Identifier registration

Description

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
idType	idType	X	null	
idValue	idValue	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
InteropIdentifierRequestData	<a href="#">InteropIdentifierRequestData</a>	X		

Return Type

[InteropIdentifierAccountResponseData](#)

Content Type

- application/json

Responses

Table 309. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropIdentifierAccountResponseData</a>

Samples

**DELETE /interoperation/parties/{idType}/{idValue}/{subIdOrType}**

**Operation Id**

deleteAccountIdentifier1

Allow Interoperation Identifier registration

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
idType	idType	X	null	
idValue	idValue	X	null	
subIdOrType	subIdOrType	X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
InteropIdentifierRequestData	<i>InteropIdentifierRequestData</i>	X		

**Return Type**

*InteropIdentifierAccountResponseData*

**Content Type**

- application/json

**Responses**

Table 310. http response codes

Code	Message	Datatype
200	OK	<i>InteropIdentifierAccountResponseData</i>

**Samples**

**POST /interoperation/transactions/{accountId}/disburse**

## Operation Id

disburseLoan

Disburse Loan by Account Id

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 311. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

GET /interoperation/parties/{idType}/{idValue}

## Operation Id

getAccountByIdentifier

Query Interoperation Account by secondary identifier

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
idType	idType	X	null	

Name	Description	Required	Default	Pattern
idValue	idValue	X	null	

#### Return Type

[\*InteropIdentifierAccountResponseData\*](#)

#### Content Type

- application/json

#### Responses

Table 312. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>InteropIdentifierAccountResponseData</i></a>

#### Samples

**GET /interoperation/parties/{idType}/{idValue}/{subIdOrType}**

#### Operation Id

getAccountByIdentifier1

Query Interoperation Account by secondary identifier

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
idType	idType	X	null	
idValue	idValue	X	null	
subIdOrType	subIdOrType	X	null	

#### Return Type

[\*InteropIdentifierAccountResponseData\*](#)

## Content Type

- application/json

## Responses

Table 313. http response codes

Code	Message	Datatype
200	OK	<i>InteropIdentifierAccountResponseData</i>

## Samples

**GET /interoperation/accounts/{accountId}**

## Operation Id

getAccountDetails

Query Interoperation Account details

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Return Type

*InteropAccountData*

## Content Type

- application/json

## Responses

Table 314. http response codes

Code	Message	Datatype
200	OK	<i>InteropAccountData</i>

**Samples**

**GET /interoperation/accounts/{accountId}/identifiers**

**Operation Id**

getAccountIdentifiers

Query Interoperation secondary identifiers by Account Id

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

**Return Type**

*InteropIdentifiersResponseData*

**Content Type**

- application/json

**Responses**

Table 315. http response codes

Code	Message	Datatype
200	OK	<i>InteropIdentifiersResponseData</i>

**Samples**

**GET /interoperation/accounts/{accountId}/transactions**

**Operation Id**

getAccountTransactions

Query transactions by Account Id

**Description**

**Parameters**

## Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
debit	debit	-	true	
credit	credit	-	false	
fromBookingDateTime	fromBookingDateTime	-	null	
toBookingDateTime	toBookingDateTime	-	null	

## Return Type

[\*InteropTransactionsData\*](#)

## Content Type

- application/json

## Responses

Table 316. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>InteropTransactionsData</i></a>

## Samples

**GET** /interoperation/accounts/{accountId}/kyc

## Operation Id

getClientKyc

Query KYC by Account Id

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

#### Return Type

*InteropKycResponseData*

#### Content Type

- application/json

#### Responses

Table 317. http response codes

Code	Message	Datatype
200	OK	<i>InteropKycResponseData</i>

#### Samples

**GET /interoperation/transactions/{transactionCode}/quotes/{quoteCode}**

#### Operation Id

getQuote

Query Interoperation Quote

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
transactionCode	transactionCode	X	null	
quoteCode	quoteCode	X	null	

#### Return Type

*InteropQuoteResponseData*

#### Content Type

- application/json



## Responses

Table 318. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropQuoteResponseData</a>

## Samples

**GET /interoperation/transactions/{transactionCode}/requests/{requestCode}**

### Operation Id

getTransactionRequest

Query Interoperation Transaction Request

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
transactionCode	transactionCode	X	null	
requestCode	requestCode	X	null	

### Return Type

[InteropTransactionRequestResponseData](#)

### Content Type

- application/json

## Responses

Table 319. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropTransactionRequestResponseData</a>

## Samples

## GET /interoperation/transactions/{transactionCode}/transfers/{transferCode}

### Operation Id

getTransfer

Query Interoperation Transfer

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
transactionCode	transactionCode	X	null	
transferCode	transferCode	X	null	

### Return Type

[\*InteropTransferResponseData\*](#)

### Content Type

- application/json

### Responses

Table 320. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>InteropTransferResponseData</i></a>

### Samples

## GET /interoperation/health

### Operation Id

health

Query Interoperation Health Request

### Description

### Parameters

**Return Type**

-

**Responses**

Table 321. http response codes

Code	Message	Datatype
200	OK	<<>>

**Samples**

**POST /interoperation/transfers**

**Operation Id**

performTransfer

Prepare Interoperation Transfer

**Description**

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
InteropTransferRequest Data	<i>InteropTransferRequestData</i>	X		

**Query Parameters**

Name	Description	Required	Default	Pattern
action	action	-	null	

**Return Type**

*InteropTransferResponseData*

**Content Type**

- application/json

**Responses**

Table 322. http response codes

Code	Message	Datatype
200	OK	<i>InteropTransferResponseData</i>

## Samples

### POST /interoperation/parties/{idType}/{idValue}

#### Operation Id

registerAccountIdentifier

Interoperation Identifier registration

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
idType	idType	X	null	
idValue	idValue	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
InteropIdentifierRequestData	<i>InteropIdentifierRequestData</i>	X		

#### Return Type

*InteropIdentifierAccountResponseData*

#### Content Type

- application/json

#### Responses

Table 323. http response codes

Code	Message	Datatype
200	OK	<i>InteropIdentifierAccountResponseData</i>

Samples

POST /interoperation/parties/{idType}/{idValue}/{subIdOrType}

Operation Id

registerAccountIdentifier1

Interoperation Identifier registration

Description

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
idType	idType	X	null	
idValue	idValue	X	null	
subIdOrType	subIdOrType	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
InteropIdentifierRequestData	<a href="#">InteropIdentifierRequestData</a>	X		

Return Type

[InteropIdentifierAccountResponseData](#)

Content Type

- application/json

Responses

Table 324. http response codes

Code	Message	Datatype
200	OK	<a href="#">InteropIdentifierAccountResponseData</a>

Samples

# InterestRateChart

## POST /interestratecharts

### Operation Id

create10

Create a Chart

### Description

Creates a new chart which can be attached to a term deposit products (FD or RD).

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostInterestRateChartsRequest	<a href="#">PostInterestRateChartsRequest</a>	X		

### Return Type

[PostInterestRateChartsResponse](#)

### Content Type

- application/json

### Responses

Table 325. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostInterestRateChartsResponse</a>

### Samples

## DELETE /interestratecharts/{chartId}

### Operation Id

delete13

Delete a Chart

## Description

It deletes the chart

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	

## Return Type

[\*DeleteInterestRateChartsChartIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 326. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteInterestRateChartsChartIdResponse</i></a>

## Samples

### GET /interestratecharts

#### Operation Id

retrieveAll26

Retrieve all Charts

## Description

Retrieve list of charts associated with a term deposit product(FD or RD). Example Requests: interestratecharts?productId=1

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
productId	productId	-	null	

#### Return Type

array[[GetInterestRateChartsResponse](#)]

#### Content Type

- application/json

#### Responses

Table 327. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetInterestRateChartsResponse</a> ]

#### Samples

**GET /interestratecharts/{chartId}**

#### Operation Id

retrieveOne16

Retrieve a Chart

#### Description

It retrieves the Interest Rate Chart Example Requests: interestratecharts/1

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	

#### Return Type

[GetInterestRateChartsResponse](#)

#### Content Type

- application/json



## Responses

Table 328. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetInterestRateChartsResponse</a>

## Samples

### GET /interestratecharts/template

#### Operation Id

template9

Retrieve Chart Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for creating a chart. The template data returned consists of any or all of: Field Defaults Allowed Value Lists  
Example Request: interestratecharts/template

#### Parameters

#### Return Type

[GetInterestRateChartsTemplateResponse](#)

#### Content Type

- application/json

## Responses

Table 329. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetInterestRateChartsTemplateResponse</a>

## Samples

### PUT /interestratecharts/{chartId}

#### Operation Id

update14

## Update a Chart

### Description

It updates the chart

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutInterestRateChartsChartIdRequest	<a href="#">PutInterestRateChartsChartIdRequest</a>	X		

### Return Type

[PutInterestRateChartsChartIdResponse](#)

### Content Type

- application/json

### Responses

Table 330. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutInterestRateChartsChartIdResponse</a>

### Samples

## InterestRateSlabAKAInterestBands

### POST /interestratecharts/{chartId}/chartslabs

#### Operation Id

create9

Create a Slab

## Description

Creates a new interest rate slab for an interest rate chart. Mandatory Fields `periodType`, `fromPeriod`, `annualInterestRate` Optional Fields `toPeriod` and `description` Example Requests: `interestratecharts/1/chartslabs`

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
<code>chartId</code>	<code>chartId</code>	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
<code>PostInterestRateChartsChartIdChartSlabsRequest</code>	<a href="#">PostInterestRateChartsChartIdChartSlabsRequest</a>	X		

## Return Type

[PostInterestRateChartsChartIdChartSlabsResponse](#)

## Content Type

- `application/json`

## Responses

Table 331. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostInterestRateChartsChartIdChartSlabsResponse</a>

## Samples

**DELETE** `/interestratecharts/{chartId}/chartslabs/{chartSlabId}`

## Operation Id

`delete12`

Delete a Slab

## Description

Delete a Slab from a chart

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	
chartSlabId	chartSlabId	X	null	

## Return Type

[\*DeleteInterestRateChartsChartIdChartSlabsResponse\*](#)

## Content Type

- application/json

## Responses

Table 332. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteInterestRateChartsChartIdChartSlabsResponse</i></a>

## Samples

**GET /interestratecharts/{chartId}/chartslabs**

### Operation Id

retrieveAll25

Retrieve all Slabs

## Description

Retrieve list of slabs associated with a chart Example Requests: interestratecharts/1/chartslabs

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	

## Return Type

array[[GetInterestRateChartsChartIdChartSlabsResponse](#)]

## Content Type

- application/json

## Responses

Table 333. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetInterestRateChartsChartIdChartSlabsResponse</a> ]

## Samples

**GET /interestratecharts/{chartId}/chartslabs/{chartSlabId}**

## Operation Id

retrieveOne15

Retrieve a Slab

## Description

Retrieve a slab associated with an Interest rate chart Example Requests:  
interestratecharts/1/chartslabs/1

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	
chartSlabId	chartSlabId	X	null	

**Return Type**

*GetInterestRateChartsChartIdChartSlabsResponse*

**Content Type**

- application/json

**Responses**

Table 334. http response codes

Code	Message	Datatype
200	OK	<i>GetInterestRateChartsChartIdChartSlabsResponse</i>

**Samples**

**GET** /interestratecharts/{chartId}/chartslabs/template

**Operation Id**

template8

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	

**Return Type**

*[String]*

**Content Type**

- application/json

**Responses**

Table 335. http response codes

Code	Message	Datatype
0	default response	<i>[String]</i>

## Samples

**PUT /interestratecharts/{chartId}/chartslabs/{chartSlabId}**

### Operation Id

update13

Update a Slab

### Description

It updates the Slab from chart

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
chartId	chartId	X	null	
chartSlabId	chartSlabId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutInterestRateChartsChartIdChartSlabsChartSlabIdRequest	<a href="#">PutInterestRateChartsChartIdChartSlabsChartSlabIdRequest</a>	X		

#### Return Type

[PutInterestRateChartsChartIdChartSlabsChartSlabIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 336. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutInterestRateChartsChartIdChartSlabsChartSlabIdResponse</a>

Samples

JournalEntries

POST /journalentries

Operation Id

createGLJournalEntry

Create \"Balanced\" Journal Entries

Description

Note: A Balanced (simple) Journal entry would have atleast one \"Debit\" and one \"Credit\" entry whose amounts are equal Compound Journal entries may have \"n\" debits and \"m\" credits where both \"m\" and \"n\" are greater than 0 and the net sum or all debits and credits are equal Mandatory Fields officeId, transactionDate credits- glAccountId, amount, comments debits- glAccountId, amount, comments Optional Fields paymentTypeId, accountNumber, checkNumber, routingCode, receiptNumber, bankNumber

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
JournalEntryCommand	<a href="#">JournalEntryCommand</a>	-		

Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

Return Type

[PostJournalEntriesResponse](#)

Content Type

- application/json

Responses

Table 337. http response codes



Code	Message	Datatype
200	OK	<i>PostJournalEntriesResponse</i>

## Samples

### POST /journalentries/{transactionId}

#### Operation Id

createReversalJournalEntry

Update Running balances for Journal Entries

#### Description

This API calculates the running balances for office. If office ID not provided this API calculates running balances for all offices. Mandatory Fields officeId

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
transactionId	transactionId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostJournalEntriesTransactionIdRequest	<i>PostJournalEntriesTransactionIdRequest</i>	-		

##### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

#### Return Type

*PostJournalEntriesTransactionIdResponse*

#### Content Type

- application/json

## Responses

Table 338. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostJournalEntriesTransactionIdResponse</a>

## Samples

### GET /journalentries/downloadtemplate

#### Operation Id

getJournalEntriesTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

## Responses

Table 339. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /journalentries/uploadtemplate

#### Operation Id

postJournalEntriesTemplate

## Description

## Parameters

### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Return Type

[String]

## Content Type

- /

## Responses

Table 340. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /journalentries/{journalEntryId}

#### Operation Id

retrieveJournalEntryById

Retrieve a single Entry

## Description

Example Requests: journalentries/1 journalentries/1?fields=officeName,glAccountId,entryType,amount  
journalentries/1?runningBalance=true journalentries/1?transactionDetails=true

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
journalEntryId	journalEntryId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
runningBalance	runningBalance	-	null	
transactionDetails	transactionDetails	-	null	

## Return Type

*JournalEntryData*

## Content Type

- application/json

## Responses

Table 341. http response codes

Code	Message	Datatype
200	OK	<i>JournalEntryData</i>

## Samples

## GET /journalentries

## Operation Id

retrieveAll1

List Journal Entries

## Description

The list capability of journal entries can support pagination and sorting. Example Requests:

journalentries journalentries?transactionId=PB37X8Y21EQUY4S

journalentries?officeId=1&manualEntriesOnly=true&fromDate=1 July 2013&toDate=15 July 2013&dateFormat=dd MMMM yyyy&locale=en

journalentries?fields=officeName,glAccountName,transactionDate journalentries?offset=10&limit=50

journalentries?orderBy=transactionId&sortOrder=DESC journalentries?runningBalance=true

journalentries?transactionDetails=true journalentries?loanId=12 journalentries?savingsId=24

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
glAccountId	glAccountId	-	null	
manualEntriesOnly	manualEntriesOnly	-	null	
fromDate	fromDate	-	null	
toDate	toDate	-	null	
transactionId	transactionId	-	null	
entityType	entityType	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
locale	locale	-	null	
dateFormat	dateFormat	-	null	
loanId	loanId	-	null	
savingsId	savingsId	-	null	
runningBalance	runningBalance	-	null	
transactionDetails	transactionDetails	-	null	

#### Return Type

array[[JournalEntryData](#)]

#### Content Type

- application/json

#### Responses

Table 342. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">JournalEntryData</a> ]

#### Samples

## GET /journalentries/provisioning

### Operation Id

retrieveJournalEntries

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
offset		-	null	
limit		-	null	
entryId		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 343. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /journalentries/openingbalance

### Operation Id

retrieveOpeningBalance

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	

Name	Description	Required	Default	Pattern
currencyCode		-	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 344. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

## Likelihood

GET /likelihood/{ppiName}/{likelihoodId}

#### Operation Id

retrieve

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
likelihoodId		X	null	
ppiName		X	null	

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 345. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /likelihood/{ppiName}**

### Operation Id

retrieveAll11

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
ppiName		X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 346. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /likelihood/{ppiName}/{likelihoodId}**

### Operation Id

update4

### Description



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
likelihoodId		X	null	
ppiName		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 347. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## ListReportMailingJobHistory

### GET /reportmailingjobrunhistory

#### Operation Id

retrieveAllByReportMailingJobId

List Report Mailing Job History

#### Description

The list capability of report mailing job history can support pagination and sorting. Example Requests: reportmailingjobrunhistory/1

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
reportMailingJobId	reportMailingJobId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

### Return Type

*ReportMailingJobRunHistoryData*

### Content Type

- application/json

### Responses

Table 348. http response codes

Code	Message	Datatype
200	OK	<i>ReportMailingJobRunHistoryData</i>

### Samples

## LoanCharges

**DELETE** /loans/{loanId}/charges/{chargeId}

### Operation Id

deleteLoanCharge

Delete a Loan Charge

### Description

Note: Currently, A Loan Charge may only be removed from Loans that are not yet approved.

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
chargeId	chargeId	X	null	

## Return Type

[\*DeleteLoansLoanIdChargesChargeIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 349. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteLoansLoanIdChargesChargeIdResponse</i></a>

## Samples

## POST /loans/{loanId}/charges

## Operation Id

executeLoanCharge

Create a Loan Charge

## Description

It Creates a Loan Charge

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PostLoansLoanIdChargesRequest	<a href="#">PostLoansLoanIdChargesRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[PostLoansLoanIdChargesResponse](#)

### Content Type

- application/json

### Responses

Table 350. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdChargesResponse</a>

### Samples

**POST** /loans/{loanId}/charges/{chargeId}

### Operation Id

executeLoanCharge1

Pay Loan Charge

### Description

Loan Charge will be paid if the loan is linked with a savings account

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

Name	Description	Required	Default	Pattern
chargeId	chargeId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostLoansLoanIdChargesChargeIdRequest	<a href="#">PostLoansLoanIdChargesChargeIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[PostLoansLoanIdChargesChargeIdResponse](#)

### Content Type

- application/json

### Responses

Table 351. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdChargesChargeIdResponse</a>

### Samples

#### GET /loans/{loanId}/charges

#### Operation Id

retrieveAllLoanCharges

List Loan Charges

#### Description

It lists all the Loan Charges specific to a Loan Example Requests: loans/1/charges  
loans/1/charges?fields=name,amountOrPercentage

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Return Type

array[[GetLoansLoanIdChargesChargeIdResponse](#)]

### Content Type

- application/json

### Responses

Table 352. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetLoansLoanIdChargesChargeIdResponse</a> ]

### Samples

**GET /loans/{loanId}/charges/{chargeId}**

### Operation Id

retrieveLoanCharge

Retrieve a Loan Charge

### Description

Retrieves Loan Charge according to the Loan ID and Charge ID  
Example Requests: /loans/1/charges/1  
/loans/1/charges/1?fields=name,amountOrPercentage

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
chargeId	chargeId	X	null	

## Return Type

[\*GetLoansLoanIdChargesChargeIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 353. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetLoansLoanIdChargesChargeIdResponse</i></a>

## Samples

**GET** /loans/{loanId}/charges/template

## Operation Id

retrieveTemplate8

Retrieve Loan Charges Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: loans/1/charges/template

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Return Type

[\*GetLoansLoanIdChargesTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 354. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoansLoanIdChargesTemplateResponse</a>

## Samples

**PUT /loans/{loanId}/charges/{chargeId}**

### Operation Id

updateLoanCharge

Update a Loan Charge

### Description

Currently Loan Charges may be updated only if the Loan is not yet approved

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
chargeId	chargeId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutLoansLoanIdChargesChargeIdRequest	<a href="#">PutLoansLoanIdChargesChargeIdRequest</a>	X		

### Return Type

[PutLoansLoanIdChargesChargeIdResponse](#)

### Content Type

- application/json



## Responses

Table 355. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutLoansLoanIdChargesChargeIdResponse</a>

## Samples

## LoanCollateral

### POST /loans/{loanId}/collaterals

#### Operation Id

createCollateral

Create a Collateral

#### Description

Note: Currently, Collaterals may be added only before a Loan is approved

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostLoansLoanIdCollateralsRequest	<a href="#">PostLoansLoanIdCollateralsRequest</a>	X		

#### Return Type

[PostLoansLoanIdCollateralsResponse](#)

#### Content Type

- application/json

## Responses

Table 356. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdCollateralsResponse</a>

## Samples

**DELETE /loans/{loanId}/collaterals/{collateralId}**

## Operation Id

deleteCollateral

Remove a Collateral

## Description

Note: A collateral can only be removed from Loans that are not yet approved.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
collateralId	collateralId	X	null	

## Return Type

[DeleteLoansLoanIdCollateralsCollateralIdResponse](#)

## Content Type

- application/json

## Responses

Table 357. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteLoansLoanIdCollateralsCollateralIdResponse</a>

## Samples

### GET /loans/{loanId}/collaterals/template

#### Operation Id

newCollateralTemplate

Retrieve Collateral Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Request: loans/1/collaterals/template

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

#### Return Type

[GetLoansLoanIdCollateralsTemplateResponse](#)

#### Content Type

- application/json

#### Responses

Table 358. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoansLoanIdCollateralsTemplateResponse</a>

## Samples

### GET /loans/{loanId}/collaterals

#### Operation Id

retrieveCollateralDetails

List Loan Collaterals

## Description

Example Requests: loans/1/collaterals loans/1/collaterals?fields=value,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Return Type

array[[GetLoansLoanIdCollateralsResponse](#)]

## Content Type

- application/json

## Responses

Table 359. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetLoansLoanIdCollateralResponse</a> ]

## Samples

**GET** /loans/{loanId}/collaterals/{collateralId}

### Operation Id

retrieveCollateralDetails1

Retrieve a Collateral

## Description

Example Requests: /loans/1/collaterals/1 /loans/1/collaterals/1?fields=description,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

Name	Description	Required	Default	Pattern
collateralId	collateralId	X	null	

## Return Type

[GetLoansLoanIdCollateralsResponse](#)

## Content Type

- application/json

## Responses

Table 360. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoansLoanIdCollateralsResponse</a>

## Samples

**PUT /loans/{loanId}/collaterals/{collateralId}**

## Operation Id

updateCollateral

Update a Collateral

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
collateralId	collateralId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutLoansLoandIdCollateralsCollateralIdRequest	<a href="#">PutLoansLoandIdCollateralsCollateralIdRequest</a>	X		

**Return Type**

*PutLoansLoanIdCollateralsCollateralIdResponse*

**Content Type**

- application/json

**Responses**

Table 361. http response codes

Code	Message	Datatype
200	OK	<i>PutLoansLoanIdCollateralsCollateralIdResponse</i>

**Samples**

**LoanCollateralManagement**

**DELETE** /loan-collateral-management/{id}

**Operation Id**

deleteLoanCollateral

Delete Loan Collateral

**Description**

Delete Loan Collateral

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
id	loan collateral id	X	null	

**Return Type**

[String]

## Content Type

- application/json

## Responses

Table 362. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /loan-collateral-management/{collateralId}

## Operation Id

getLoanCollateral

Get Loan Collateral Details

## Description

Get Loan Collateral Details

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
collateralId	collateralId	X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 363. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

# LoanDisbursementDetails

PUT /loans/{loanId}/disbursements/editDisbursements

Operation Id

addAndDeleteDisbursementDetail

Description

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	

Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

Return Type

[String]

Content Type

- application/json

Responses

Table 364. http response codes

Code	Message	Datatype
0	default response	[String]

Samples

GET /loans/{loanId}/disbursements/{disbursementId}

Operation Id

retriveDetail

Description



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	
disbursementId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 365. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

PUT /loans/{loanId}/disbursements/{disbursementId}

### Operation Id

updateDisbursementDate

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	
disbursementId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 366. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## LoanProducts

### POST /loanproducts

#### Operation Id

createLoanProduct

Create a Loan Product

#### Description

Depending of the Accounting Rule (accountingRule) selected, additional fields with details of the appropriate Ledger Account identifiers would need to be passed in. Refer MifosX Accounting Specs Draft for more details regarding the significance of the selected accounting rule Mandatory Fields: name, shortName, currencyCode, digitsAfterDecimal, inMultiplesOf, principal, numberOfRepayments, repaymentEvery, repaymentFrequencyType, interestRatePerPeriod, interestRateFrequencyType, amortizationType, interestType, interestCalculationPeriodType, transactionProcessingStrategyId, accountingRule, isInterestRecalculationEnabled, daysInYearType, daysInMonthType Optional Fields: inArrearsTolerance, graceOnPrincipalPayment, graceOnInterestPayment, graceOnInterestCharged, graceOnArrearsAgeing, charges, paymentChannelToFundSourceMappings, feeToIncomeAccountMappings, penaltyToIncomeAccountMappings, includeInBorrowerCycle, useBorrowerCycle,principalVariationsForBorrowerCycle, numberOfRepaymentVariationsForBorrowerCycle, interestRateVariationsForBorrowerCycle, multiDisburseLoan,maxTrancheCount, outstandingLoanBalance,overdueDaysForNPA,holdGuaranteeFunds, principalThresholdForLastInstalment, accountMovesOutOfNPAOnlyOnArrearsCompletion, canDefineInstallmentAmount, installmentAmountInMultiplesOf, allowAttributeOverrides, allowPartialPeriodInterestCalcualtion Additional Mandatory Fields for Cash(2) based accounting: fundSourceAccountId, loanPortfolioAccountId, interestOnLoanAccountId, incomeFromFeeAccountId, incomeFromPenaltyAccountId, writeOffAccountId, transfersInSuspenseAccountId,

overpaymentLiabilityAccountId Additional Mandatory Fields for periodic (3) and upfront (4)accrual accounting: fundSourceAccountId, loanPortfolioAccountId, interestOnLoanAccountId, incomeFromFeeAccountId, incomeFromPenaltyAccountId, writeOffAccountId, receivableInterestAccountId, receivableFeeAccountId, receivablePenaltyAccountId, transfersInSuspenseAccountId, overpaymentLiabilityAccountId Additional Mandatory Fields if interest recalculation is enabled(true): interestRecalculationCompoundingMethod, rescheduleStrategyMethod, recalculationRestFrequencyType Additional Optional Fields if interest recalculation is enabled(true): isArrearsBasedOnOriginalSchedule, preClosureInterestCalculationStrategy Additional Optional Fields if interest recalculation is enabled(true) and recalculationRestFrequencyType is not same as repayment period: recalculationRestFrequencyInterval, recalculationRestFrequencyDate Additional Optional Fields if interest recalculation is enabled(true) and interestRecalculationCompoundingMethod is enabled: recalculationCompoundingFrequencyType Additional Optional Fields if interest recalculation is enabled(true) and interestRecalculationCompoundingMethod is enabled and recalculationCompoundingFrequencyType is not same as repayment period: recalculationCompoundingFrequencyInterval, recalculationCompoundingFrequencyDate Additional Mandatory Fields if Hold Guarantee funds is enabled(true): mandatoryGuarantee Additional Optional Fields if Hold Guarantee funds is enabled(true): minimumGuaranteeFromOwnFunds,minimumGuaranteeFromGuarantor

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
PostLoanProductsRequest	<a href="#">PostLoanProductsRequest</a>	X		

Return Type

[PostLoanProductsResponse](#)

Content Type

- application/json

Responses

Table 367. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoanProductsResponse</a>

Samples

## GET /loanproducts

### Operation Id

retrieveAllLoanProducts

List Loan Products

### Description

Lists Loan Products Example Requests: loanproducts loanproducts?fields=name,description,interestRateFrequencyType,amortizationType

### Parameters

### Return Type

array[[GetLoanProductsResponse](#)]

### Content Type

- application/json

### Responses

Table 368. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetLoanProductsResponse</a> ]

### Samples

## GET /loanproducts/{productId}

### Operation Id

retrieveLoanProductDetails

Retrieve a Loan Product

### Description

Retrieves a Loan Product Example Requests: loanproducts/1 loanproducts/1?template=true loanproducts/1?fields=name,description,numberOfRepayments

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Return Type

[GetLoanProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 369. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoanProductsProductIdResponse</a>

## Samples

### GET /loanproducts/template

#### Operation Id

retrieveTemplate10

Retrieve Loan Product Details Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: loanproducts/template

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
isProductMixTemplate	isProductMixTemplate	-	null	

## Return Type

[GetLoanProductsTemplateResponse](#)

## Content Type

- application/json

## Responses

Table 370. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoanProductsTemplateResponse</a>

## Samples

**PUT /loanproducts/{productId}**

## Operation Id

updateLoanProduct

Update a Loan Product

## Description

Updates a Loan Product

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutLoanProductsProductIdRequest	<a href="#">PutLoanProductsProductIdRequest</a>	X		

## Return Type

[PutLoanProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 371. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutLoanProductsProductIdResponse</a>

## Samples

## LoanRescheduling

### POST /loans/{loanId}/schedule

#### Operation Id

calculateLoanScheduleOrSubmitVariableSchedule

Calculate loan repayment schedule based on Loan term variations | Updates loan repayment schedule based on Loan term variations | Updates loan repayment schedule by removing Loan term variations

#### Description

Calculate loan repayment schedule based on Loan term variations: Mandatory Fields: exceptions,locale,dateFormat Updates loan repayment schedule based on Loan term variations: Mandatory Fields: exceptions,locale,dateFormat Updates loan repayment schedule by removing Loan term variations: It updates the loan repayment schedule by removing Loan term variations Showing request/response for 'Updates loan repayment schedule by removing Loan term variations'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[object]</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[\*PostLoansLoanIdScheduleResponse\*](#)

## Content Type

- application/json

## Responses

Table 372. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostLoansLoanIdScheduleResponse</i></a>

## Samples

## LoanTransactions

**POST /loans/{loanId}/transactions/{transactionId}**

## Operation Id

adjustLoanTransaction

Adjust a Transaction

## Description

Note: there is no need to specify command={transactionType} parameter. Mandatory Fields: transactionDate, transactionAmount

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
transactionId	transactionId	X	null	

## Body Parameter



Name	Description	Required	Default	Pattern
PostLoansLoanIdTransactionsTransactionIdRequest	<a href="#">PostLoansLoanIdTransactionsTransactionIdRequest</a>	X		

## Return Type

[PostLoansLoanIdTransactionsTransactionIdResponse](#)

## Content Type

- application/json

## Responses

Table 373. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdTransactionsTransactionIdResponse</a>

## Samples

### POST /loans/{loanId}/transactions

## Operation Id

executeLoanTransaction

## Significant Loan Transactions

## Description

This API covers the major loan transaction functionality. Example Requests:

loans/1/transactions?command=repayment		Make a Repayment	
loans/1/transactions?command=merchantIssuedRefund		Merchant Issued Refund	
loans/1/transactions?command=payoutRefund		Payout Refund	
loans/1/transactions?command=goodwillCredit		Goodwill Credit	
loans/1/transactions?command=waiveinterest		Waive Interest	
loans/1/transactions?command=writeoff		Write-off Loan	
loans/1/transactions?command=close-rescheduled		Close Rescheduled Loan	
loans/1/transactions?command=close		Close Loan	
loans/1/transactions?command=undowriteoff		Undo Loan Write-off	
loans/1/transactions?command=recoverypayment		Make Recovery Payment	
loans/1/transactions?command=refundByCash		Make a Refund of an Active Loan by Cash	
loans/1/transactions?command=foreclosure		Foreclosure of an Active Loan	

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	X		

Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

Return Type

*PostLoansLoanIdTransactionsResponse*

Content Type

- application/json

Responses

Table 374. http response codes

Code	Message	Datatype
200	OK	<i>PostLoansLoanIdTransactionsResponse</i>

Samples

GET /loans/{loanId}/transactions/{transactionId}

Operation Id

retrieveTransaction

Retrieve a Transaction Details

## Description

Retrieves a Transaction Details Example Request: loans/5/transactions/3

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
transactionId	transactionId	X	null	

## Return Type

[\*GetLoansLoanIdTransactionsTransactionIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 375. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetLoansLoanIdTransactionsTransactionIdResponse</i></a>

## Samples

**GET /loans/{loanId}/transactions/template**

### Operation Id

retrieveTransactionTemplate

Retrieve Loan Transaction Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists

Example

Requests:

loans/1/transactions/template?command=repaymentloans/1/transactions/template?command=merchantIssuedRefundloans/1/transactions/template?command=payoutRefundloans/1/transactions/template?command=goodwillCreditloans/1/transactions/template?command=waiveinterest

loans/1/transactions/template?command=writeoff  
 rescheduled  
 loans/1/transactions/template?command=disburse  
 loans/1/transactions/template?command=disburseToSavings  
 loans/1/transactions/template?command=recoverypayment  
 loans/1/transactions/template?command=prepayLoan  
 loans/1/transactions/template?command=refundbycash  
 loans/1/transactions/template?command=refundbytransfer  
 loans/1/transactions/template?command=foreclosure  
 loans/1/transactions/template?command=creditBalanceRefund (returned 'amount' field will have the overpaid value)

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	
dateFormat	dateFormat	-	null	
transactionDate	transactionDate	-	null	
locale	locale	-	null	

## Return Type

[\*GetLoansLoanIdTransactionsTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 376. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetLoansLoanIdTransactionsTemplateResponse</i></a>

**Samples**

**PUT /loans/{loanId}/transactions/{transactionId}**

**Operation Id**

undoWaiveCharge

Undo a Waive Charge Transaction

**Description**

Undo a Waive Charge Transaction

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
transactionId	transactionId	X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
PutChargeTransactionChangesRequest	<a href="#">PutChargeTransactionChangesRequest</a>	X		

**Return Type**

[PutChargeTransactionChangesResponse](#)

**Content Type**

- application/json

**Responses**

Table 377. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutChargeTransactionChangesResponse</a>

**Samples**

# Loans

## POST /loans

### Operation Id

calculateLoanScheduleOrSubmitLoanApplication

Calculate loan repayment schedule | Submit a new Loan Application

### Description

It calculates the loan repayment Schedule Submits a new loan application Mandatory Fields: clientId, productId, principal, loanTermFrequency, loanTermFrequencyType, loanType, numberOfRepayments, repaymentEvery, repaymentFrequencyType, interestRatePerPeriod, amortizationType, interestType, interestCalculationPeriodType, transactionProcessingStrategyId, expectedDisbursementDate, submittedOnDate, loanType Optional Fields: graceOnPrincipalPayment, graceOnInterestPayment, graceOnInterestCharged, linkAccountId, allowPartialPeriodInterestCalcualtion, fixedEmiAmount, maxOutstandingLoanBalance, disbursementData, graceOnArrearsAgeing, createStandingInstructionAtDisbursement (requires linkedAccountId if set to true) Additional Mandatory Fields if interest recalculation is enabled for product and Rest frequency not same as repayment period: recalculationRestFrequencyDate Additional Mandatory Fields if interest recalculation with interest/fee compounding is enabled for product and compounding frequency not same as repayment period: recalculationCompoundingFrequencyDate Additional Mandatory Field if Entity-Datatable Check is enabled for the entity of type loan: datatables

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostLoansRequest	<a href="#">PostLoansRequest</a>	X		

#### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

#### Return Type

[PostLoansResponse](#)

#### Content Type

- application/json

## Responses

Table 378. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansResponse</a>

## Samples

**DELETE /loans/{loanId}**

### Operation Id

deleteLoanApplication

Delete a Loan Application

### Description

Note: Only loans in \"Submitted and awaiting approval\" status can be deleted.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Return Type

[DeleteLoansLoanIdResponse](#)

### Content Type

- application/json

## Responses

Table 379. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteLoansLoanIdResponse</a>

## Samples

**GET /loans/glimAccount/{glimId}**

**Operation Id**

getGlimRepaymentTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
glimId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 380. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /loans/repayments/downloadtemplate**

**Operation Id**

getLoanRepaymentTemplate

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	



**Return Type**

-

**Content Type**

- application/vnd.ms-excel

**Responses**

Table 381. http response codes

Code	Message	Datatype
0	default response	<<>>

**Samples****GET /loans/downloadtemplate****Operation Id**

getLoansTemplate

**Description****Parameters****Query Parameters**

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

**Return Type**

-

**Content Type**

- application/vnd.ms-excel

**Responses**

Table 382. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /loans/glimAccount/{glimId}

#### Operation Id

glimStateTransitions

Approve GLIM Application | Undo GLIM Application Approval | Reject GLIM Application | Disburse Loan Disburse Loan To Savings Account | Undo Loan Disbursal

#### Description

Approve GLIM Application: Mandatory Fields: approvedOnDate Optional Fields: approvedLoanAmount and expectedDisbursementDate Approves the GLIM application Undo GLIM Application Approval: Undoes the GLIM Application Approval Reject GLIM Application: Mandatory Fields: rejectedOnDate Allows you to reject the GLIM application Disburse Loan: Mandatory Fields: actualDisbursementDate Optional Fields: transactionAmount and fixedEmiAmount Disburses the Loan Disburse Loan To Savings Account: Mandatory Fields: actualDisbursementDate Optional Fields: transactionAmount and fixedEmiAmount Disburses the loan to Saving Account Undo Loan Disbursal: Undoes the Loan Disbursal

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
glimId		X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostLoansLoanIdRequest	<a href="#">PostLoansLoanIdRequest</a>	X		

##### Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

#### Return Type

[PostLoansLoanIdResponse](#)

## Content Type

- application/json

## Responses

Table 383. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdResponse</a>

## Samples

### PUT /loans/{loanId}

#### Operation Id

modifyLoanApplication

Modify a loan application

#### Description

Loan application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutLoansLoanIdRequest	<a href="#">PutLoansLoanIdRequest</a>	X		

#### Return Type

[PutLoansLoanIdResponse](#)

## Content Type

- application/json

## Responses

Table 384. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutLoansLoanIdResponse</a>

## Samples

### POST /loans/repayments/uploadtemplate

#### Operation Id

postLoanRepaymentTemplate

#### Description

#### Parameters

#### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	<a href="#">[string]</a>	-	null	
locale	<a href="#">[string]</a>	-	null	
uploadedInputStream	<a href="#">[file]</a>	-	null	

#### Return Type

[\[String\]](#)

#### Content Type

- /

## Responses

Table 385. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### POST /loans/uploadtemplate

**Operation Id**

postLoanTemplate

**Description**

**Parameters**

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

• /

**Responses**

Table 386. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /loans**

**Operation Id**

retrieveAll27

List Loans

**Description**

The list capability of loans can support pagination and sorting. Example Requests: loans  
loans?fields=accountNo loans?offset=10&limit=50 loans?orderBy=accountNo&sortOrder=DESC

**Parameters**

## Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
accountNo	accountNo	-	null	

## Return Type

[\*GetLoansResponse\*](#)

## Content Type

- application/json

## Responses

Table 387. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetLoansResponse</i></a>

## Samples

### GET /loans/{loanId}/template

## Operation Id

retrieveApprovalTemplate

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
templateType	templateType	-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 388. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /loans/{loanId}

## Operation Id

retrieveLoan

Retrieve a Loan

## Description

Note: template=true parameter doesn't apply to this resource.Example Requests: loans/1  
loans/1?fields=id,principal,annualInterestRate  
loans/1?associations=all  
loans/1?associations=all&exclude=guarantors  
loans/1?fields=id,principal,annualInterestRate&associations=repaymentSchedule,transactions

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

#### Return Type

[GetLoansLoanIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 389. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoansLoanIdResponse</a>

#### Samples

#### POST /loans/{loanId}

#### Operation Id

stateTransitions

Approve Loan Application | Recover Loan Guarantee | Undo Loan Application Approval | Assign a Loan Officer | Unassign a Loan Officer | Reject Loan Application | Applicant Withdraws from Loan Application | Disburse Loan Disburse Loan To Savings Account | Undo Loan Disbursal

#### Description

Approve Loan Application: Mandatory Fields: approvedOnDate Optional Fields: approvedLoanAmount and expectedDisbursementDate Approves the loan application Recover Loan Guarantee: Recovers the loan guarantee Undo Loan Application Approval: Undoes the Loan Application Approval Assign a Loan Officer: Allows you to assign Loan Officer for existing Loan. Unassign a Loan Officer: Allows you to unassign the Loan Officer. Reject Loan Application: Mandatory Fields: rejectedOnDate Allows you to reject the loan application Applicant Withdraws from Loan Application: Mandatory Fields: withdrawnOnDate Allows the applicant to withdraw the loan application Disburse Loan: Mandatory Fields: actualDisbursementDate Optional Fields: transactionAmount and fixedEmiAmount Disburses the Loan Disburse Loan To Savings Account: Mandatory Fields: actualDisbursementDate Optional Fields: transactionAmount and fixedEmiAmount Disburses the loan to Saving Account Undo Loan Disbursal: Undoes the Loan Disbursal Showing request and response for Assign a Loan Officer



## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostLoansLoanIdRequest	<a href="#">PostLoansLoanIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[PostLoansLoanIdResponse](#)

### Content Type

- application/json

### Responses

Table 390. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostLoansLoanIdResponse</a>

### Samples

#### GET /loans/template

#### Operation Id

template10

Retrieve Loan Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for

client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Requests: [loans/template?templateType=individual&clientId=1](#)  
[loans/template?templateType=individual&clientId=1&productId=1](#)

Parameters

Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	
groupId	groupId	-	null	
productId	productId	-	null	
templateType	templateType	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	
activeOnly	activeOnly	-	false	

Return Type

[GetLoansTemplateResponse](#)

Content Type

- application/json

Responses

Table 391. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetLoansTemplateResponse</a>

Samples

MIFOSXBATCHJOBS

POST /jobs/{jobId}

Operation Id

executeJob

Run a Job

## Description

Manually Execute Specific Job.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
jobId	jobId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

-

## Responses

*Table 392. http response codes*

Code	Message	Datatype
200	POST: jobs/1?command&#x3D;executeJob	<<>>

## Samples

### GET /jobs

#### Operation Id

retrieveAll8

Retrieve Scheduler Jobs

## Description

Returns the list of jobs. Example Requests: jobs

## Parameters

## Return Type

array[[GetJobsResponse](#)]

## Content Type

- application/json

## Responses

Table 393. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetJobsResponse</a> ]

## Samples

### GET /jobs/{jobId}/runhistory

#### Operation Id

retrieveHistory

Retrieve Job Run History

#### Description

Example Requests: jobs/5/runhistory?offset=0&limit=200

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
jobId	jobId	X	null	

##### Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

#### Return Type

[GetJobsJobIDJobRunHistoryResponse](#)

## Content Type

- application/json

## Responses

Table 394. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetJobsJobIDJobRunHistoryResponse</a>

## Samples

GET /jobs/{jobId}

## Operation Id

retrieveOne5

Retrieve a Job

## Description

Returns the details of a Job. Example Requests: jobs/5

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
jobId	jobId	X	null	

## Return Type

[GetJobsResponse](#)

## Content Type

- application/json

## Responses

Table 395. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetJobsResponse</a>

Samples

**PUT /jobs/{jobId}**

**Operation Id**

updateJobDetail

Update a Job

**Description**

Updates the details of a job.

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
jobId	jobId	X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
PutJobsJobIDRequest	<a href="#">PutJobsJobIDRequest</a>	X		

**Return Type**

-

**Responses**

Table 396. http response codes

Code	Message	Datatype
200	OK	<<>>

Samples

**MakerCheckerOr4EyeFunctionality**

**POST /makercheckers/{auditId}**

**Operation Id**

approveMakerCheckerEntry

Approve Maker Checker Entry | Reject Maker Checker Entry

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
auditId	auditId	X	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
command	command	-	null	

**Return Type**

*PostMakerCheckersResponse*

**Content Type**

- application/json

**Responses**

Table 397. http response codes

Code	Message	Datatype
200	OK	<i>PostMakerCheckersResponse</i>

**Samples**

**DELETE /makercheckers/{auditId}**

**Operation Id**

deleteMakerCheckerEntry

Delete Maker Checker Entry

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
auditId	auditId	X	null	

#### Return Type

[\*PostMakerCheckersResponse\*](#)

#### Content Type

- application/json

#### Responses

Table 398. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostMakerCheckersResponse</i></a>

#### Samples

#### GET /makercheckers/searchtemplate

#### Operation Id

retrieveAuditSearchTemplate1

#### Maker Checker Search Template

#### Description

This is a convenience resource. It can be useful when building a Checker Inbox UI. \"appUsers\" are data scoped to the office/branch the requestor is associated with. \"actionNames\" and \"entityNames\" returned are those that the requestor has Checker approval permissions for. Example Requests: makercheckers/searchtemplate makercheckers/searchtemplate?fields=entityNames

#### Parameters

#### Return Type

[\*GetMakerCheckersSearchTemplateResponse\*](#)

#### Content Type

- application/json

#### Responses

Table 399. http response codes



Code	Message	Datatype
200	OK	<a href="#">GetMakerCheckersSearchTemplateResponse</a>

## Samples

### GET /makercheckers

#### Operation Id

retrieveCommands

List Maker Checker Entries

#### Description

Get a list of entries that can be checked by the requestor that match the criteria supplied. Example Requests:           makercheckers           makercheckers?fields=madeOnDate,maker,processingResult  
makercheckers?makerDateTimeFrom=2013-03-25 08:00:00&makerDateTimeTo=2013-04-04 18:00:00  
makercheckers?officeId=1 makercheckers?officeId=1&includeJson=true

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
actionName	actionName	-	null	
entityName	entityName	-	null	
resourceId	resourceId	-	null	
makerId	makerId	-	null	
makerDateTimeFrom	makerDateTimeFrom	-	null	
makerDateTimeTo	makerDateTimeTo	-	null	
officeId	officeId	-	null	
groupId	groupId	-	null	
clientId	clientId	-	null	
loanid	loanid	-	null	
savingsAccountId	savingsAccountId	-	null	

#### Return Type

array[[GetMakerCheckerResponse](#)]

## Content Type

- application/json

## Responses

Table 400. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetMakerCheckerResponse</a> ]

## Samples

# MappingFinancialActivitiesToAccounts

## POST /financialactivityaccounts

### Operation Id

createGLAccount

Create a new Financial Activity to Accounts Mapping

### Description

Mandatory Fields financialActivityId, glAccountId

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostFinancialActivityAccountsRequest	<a href="#">PostFinancialActivityAccountsRequest</a>	-		

### Return Type

[PostFinancialActivityAccountsResponse](#)

## Content Type

- application/json

## Responses

Table 401. http response codes

Code	Message	Datatype
200	OK	<i>PostFinancialActivityAccountsResponse</i>

#### Samples

**DELETE** /financialactivityaccounts/{mappingId}

#### Operation Id

deleteGLAccount

Delete a Financial Activity to Account Mapping

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
mappingId	mappingId	X	null	

#### Return Type

*DeleteFinancialActivityAccountsResponse*

#### Content Type

- application/json

#### Responses

Table 402. http response codes

Code	Message	Datatype
200	OK	<i>DeleteFinancialActivityAccountsResponse</i>

#### Samples

**GET** /financialactivityaccounts/{mappingId}

#### Operation Id

retrieve

## Retrieve a Financial Activity to Account Mapping

### Description

Example Requests: financialactivityaccounts/1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
mappingId	mappingId	X	null	

### Return Type

[\*GetFinancialActivityAccountsResponse\*](#)

### Content Type

- application/json

### Responses

Table 403. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetFinancialActivityAccountsResponse</i></a>

### Samples

#### GET /financialactivityaccounts

#### Operation Id

retrieveAll

List Financial Activities to Accounts Mappings

### Description

Example Requests: financialactivityaccounts

### Parameters

### Return Type

array[[\*GetFinancialActivityAccountsResponse\*](#)]

### Content Type

- application/json

### Responses

Table 404. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetFinancialActivityAccountsResponse</a> ]

### Samples

#### GET /financialactivityaccounts/template

#### Operation Id

retrieveTemplate

#### Description

#### Parameters

#### Return Type

[[String](#)]

### Content Type

- application/json

### Responses

Table 405. http response codes

Code	Message	Datatype
0	default response	[ <a href="#">String</a> ]

### Samples

#### PUT /financialactivityaccounts/{mappingId}

#### Operation Id

updateGLAccount

Update a Financial Activity to Account Mapping

## Description

the API updates the Ledger account linked to a Financial Activity

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
mappingId	mappingId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostFinancialActivityAccountsRequest	<a href="#">PostFinancialActivityAccountsRequest</a>	-		

## Return Type

[PutFinancialActivityAccountsResponse](#)

## Content Type

- application/json

## Responses

Table 406. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutFinancialActivityAccountsResponse</a>

## Samples

## Meetings

POST /{entityType}/{entityId}/meetings

## Operation Id

createMeeting

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 407. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE** /{entityType}/{entityId}/meetings/{meetingId}

## Operation Id

deleteMeeting

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	
meetingId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 408. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST** /{entityType}/{entityId}/meetings/{meetingId}

**Operation Id**

performMeetingCommands

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	
meetingId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	



**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 409. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

GET /{entityType}/{entityId}/meetings/{meetingId}

**Operation Id**

retrieveMeeting

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
meetingId		X	null	
entityType		X	null	
entityId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 410. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /{entityType}/{entityId}/meetings**

**Operation Id**

retrieveMeetings

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
limit		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 411. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /{entityType}/{entityId}/meetings/template**

**Operation Id**

template11

**Description**

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
calendarId		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 412. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

PUT /{entityType}/{entityId}/meetings/{meetingId}

## Operation Id

updateMeeting

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityType		X	null	
entityId		X	null	
meetingId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 413. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## MixMapping

### GET /mixmapping

## Operation Id

retrieveTaxonomyMapping

## Description

## Parameters

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 414. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /mixmapping**

**Operation Id**

updateTaxonomyMapping

**Description**

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 415. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**MixReport**

**GET /mixreport**

**Operation Id**

retrieveXBRLReport

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
startDate		-	null	
endDate		-	null	
currency		-	null	

#### Return Type

[String]

#### Content Type

- application/xml

#### Responses

Table 416. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

## MixTaxonomy

### GET /mixtaxonomy

#### Operation Id

retrieveAll14

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 417. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## Notes

### POST `/resourceType/{resourceId}/notes`

#### Operation Id

addNewNote

Add a Resource Note

#### Description

Adds a new note to a supported resource. Example Requests: clients/1/notes groups/1/notes

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
resourceType	resourceType	X	null	
resourceId	resourceId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PostResourceTypeResourceIdNotesRequest	<a href="#">PostResourceTypeResourceIdNotesRequest</a>	X		

##### Return Type

[PostResourceTypeResourceIdNotesResponse](#)

##### Content Type

- application/json

##### Responses

Table 418. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostResourceTypeResourceIdNotesResponse</a>

**Samples**

**DELETE /{resourceType}/{resourceId}/notes/{noteId}**

**Operation Id**

deleteNote

Delete a Resource Note

**Description**

Deletes a Resource Note

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
resourceType	resourceType	X	null	
resourceId	resourceId	X	null	
noteId	noteId	X	null	

**Return Type**

*DeleteResourceTypeResourceIdNotesNoteIdResponse*

**Content Type**

- application/json

**Responses**

Table 419. http response codes

Code	Message	Datatype
200	OK	<i>DeleteResourceTypeResourceIdNotesNoteIdResponse</i>

**Samples**

**GET /{resourceType}/{resourceId}/notes/{noteId}**

**Operation Id**

retrieveNote



## Retrieve a Resource Note

### Description

Retrieves a Resource Note Example Requests: `clients/1/notes/76` `groups/1/notes/20`  
`clients/1/notes/76?fields=note,createdOn,createdByUsername`  
`groups/1/notes/20?fields=note,createdOn,createdByUsername`

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
resourceType	resourceType	X	null	
resourceId	resourceId	X	null	
noteId	noteId	X	null	

### Return Type

[\*GetResourceTypeResourceIdNotesNoteIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 420. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetResourceTypeResourceIdNotesNoteIdResponse</i></a>

### Samples

**GET** `/[{resourceType}]/[{resourceId}]/notes`

### Operation Id

`retrieveNotesByResource`

Retrieve a Resource's description

## Description

Retrieves a Resource's Notes Note: Notes are returned in descending createOn order. Example Requests: clients/2/notes groups/2/notes?fields=note,createdOn,createdByUsername

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceType	resourceType	X	null	
resourceId	resourceId	X	null	

## Return Type

array[[GetResourceTypeResourceIdNotesResponse](#)]

## Content Type

- application/json

## Responses

Table 421. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetResourceTypeResourceIdNotesResponse</a> ]

## Samples

**PUT** /{resourceType}/{resourceId}/notes/{noteId}

## Operation Id

updateNote

Update a Resource Note

## Description

Updates a Resource Note

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
resourceType	resourceType	X	null	
resourceId	resourceId	X	null	
noteId	noteId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutResourceTypeResourceIdNotesNoteIdRequest	<a href="#">PutResourceTypeResourceIdNotesNoteIdRequest</a>	X		

## Return Type

[PutResourceTypeResourceIdNotesNoteIdResponse](#)

## Content Type

- application/json

## Responses

Table 422. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutResourceTypeResourceIdNotesNoteIdResponse</a>

## Samples

## Notification

### GET /notifications

#### Operation Id

getAllNotifications

#### Description

#### Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
orderBy		-	null	
limit		-	null	
offset		-	null	
sortOrder		-	null	
isRead		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 423. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## PUT /notifications

## Operation Id

update5

## Description

## Parameters

## Return Type

-

## Content Type

- application/json

## Responses

Table 424. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

## Offices

### POST /offices

#### Operation Id

createOffice

Create an Office

#### Description

Mandatory Fields name, openingDate, parentId

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostOfficesRequest	<a href="#">PostOfficesRequest</a>	X		

#### Return Type

[PostOfficesResponse](#)

#### Content Type

- application/json

#### Responses

Table 425. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostOfficesResponse</a>

## Samples

### GET /offices/downloadtemplate

## Operation Id

getOfficeTemplate

## Description

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
dateFormat		-	null	

## Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 426. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

## POST /offices/uploadtemplate

## Operation Id

postOfficeTemplate

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 427. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /offices/{officeId}**

**Operation Id**

retreiveOffice

Retrieve an Office

**Description**

Example Requests: offices/1 offices/1?template=true offices/1?fields=id,name,parentName

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
officeId	officeId	X	null	

**Return Type**

*GetOfficesResponse*

**Content Type**

- application/json

**Responses**

Table 428. http response codes

Code	Message	Datatype
200	OK	<i>GetOfficesResponse</i>

## Samples

### GET /offices/template

#### Operation Id

retrieveOfficeTemplate1

Retrieve Office Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: offices/template

#### Parameters

#### Return Type

*GetOfficesTemplateResponse*

#### Content Type

- application/json

#### Responses

Table 429. http response codes

Code	Message	Datatype
200	OK	<i>GetOfficesTemplateResponse</i>

## Samples

### GET /offices

#### Operation Id

retrieveOffices

List Offices



## Description

Example Requests: offices offices?fields=id,name,openingDate

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
includeAllOffices	includeAllOffices	-	false	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

array[[GetOfficesResponse](#)]

## Content Type

- application/json

## Responses

Table 430. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetOfficesResponse</a> ]

## Samples

### PUT /offices/{officeId}

## Operation Id

updateOffice

Update Office

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutOfficesOfficeIdRequest	<a href="#">PutOfficesOfficeIdRequest</a>	X		

## Return Type

[PutOfficesOfficeIdResponse](#)

## Content Type

- application/json

## Responses

Table 431. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutOfficesOfficeIdResponse</a>

## Samples

## PasswordPreferences

### GET /passwordpreferences

#### Operation Id

retrieve1

## Description

## Parameters

## Return Type

[GetPasswordPreferencesTemplateResponse](#)

## Content Type

- application/json

## Responses

Table 432. http response codes

Code	Message	Datatype
200	OK	<i>GetPasswordPreferencesTemplateResponse</i>

#### Samples

#### GET /passwordpreferences/template

##### Operation Id

template21

List Application Password validation policies

##### Description

ARGUMENTS Example Requests: passwordpreferences

##### Parameters

##### Return Type

array[*GetPasswordPreferencesTemplateResponse*]

##### Content Type

- application/json

##### Responses

Table 433. http response codes

Code	Message	Datatype
200	OK	List[ <i>GetPasswordPreferencesTemplateResponse</i> ]

#### Samples

#### PUT /passwordpreferences

##### Operation Id

update23

Update password preferences

## Description

## Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
PutPasswordPreference sTemplateRequest	<a href="#">PutPasswordPreferencesTemplateRequest</a>	X		

## Return Type

-

## Responses

Table 434. http response codes

Code	Message	Datatype
200	OK	<<>>

## Samples

## PaymentType

### POST /paymenttypes

#### Operation Id

createPaymentType

Create a Payment Type

## Description

Creates a new Payment type Mandatory Fields: name Optional Fields: Description, isCashPayment,Position

## Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
PostPaymentTypesRequest	<a href="#">PostPaymentTypesRequest</a>	X		

**Return Type**

*PostPaymentTypesResponse*

**Content Type**

- application/json

**Responses**

Table 435. http response codes

Code	Message	Datatype
200	OK	<i>PostPaymentTypesResponse</i>

**Samples**

**DELETE /paymenttypes/{paymentTypeId}**

**Operation Id**

deleteCode1

Delete a Payment Type

**Description**

Deletes payment type

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
paymentTypeId	paymentTypeId	X	null	

**Return Type**

*DeletePaymentTypesPaymentTypeIdResponse*

**Content Type**

- application/json

**Responses**

Table 436. http response codes

Code	Message	Datatype
200	OK	<i>DeletePaymentTypesPaymentTypeIdResponse</i>

#### Samples

#### GET /paymenttypes

##### Operation Id

getAllPaymentTypes

Retrieve all Payment Types

##### Description

Retrieve list of payment types

##### Parameters

##### Return Type

array[*GetPaymentTypesResponse*]

##### Content Type

- application/json

#### Responses

Table 437. http response codes

Code	Message	Datatype
200	OK	List[ <i>GetPaymentTypesResponse</i> ]

#### Samples

#### GET /paymenttypes/{paymentTypeId}

##### Operation Id

retrieveOnePaymentType

Retrieve a Payment Type

## Description

Retrieves a payment type

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
paymentTypeId	paymentTypeId	X	null	

## Return Type

[\*GetPaymentTypesPaymentTypeIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 438. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetPaymentTypesPaymentTypeIdResponse</i></a>

## Samples

**PUT /paymenttypes/{paymentTypeId}**

### Operation Id

updatePaymentType

Update a Payment Type

## Description

Updates a Payment Type

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
paymentTypeId	paymentTypeId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutPaymentTypesPaymentTypeIdRequest	<a href="#">PutPaymentTypesPaymentTypeIdRequest</a>	X		

## Return Type

[PutPaymentTypesPaymentTypeIdResponse](#)

## Content Type

- application/json

## Responses

Table 439. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutPaymentTypesPaymentTypeIdResponse</a>

## Samples

## PeriodicAccrualAccounting

### POST /runaccruals

#### Operation Id

executePeriodicAccrualAccounting

Executes Periodic Accrual Accounting

#### Description

Mandatory Fields tillDate

#### Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
PostRunaccrualsRequest	<a href="#">PostRunaccrualsRequest</a>	X		



## Return Type

-

## Responses

Table 440. http response codes

Code	Message	Datatype
200	OK	<<>>

## Samples

## Permissions

### GET /permissions

#### Operation Id

retrieveAllPermissions

List Application Permissions

#### Description

ARGUMENTS makerCheckerableoptional, Values are true, false. Default is false. If makerCheckerable=false or not supplied then a list of application permissions is returned. The \"selected\" attribute is always true in this case. If makerCheckerable=true then the \"selected\" attribute shows whether the permission is enabled for Maker Check functionality. Note: Each Apache Fineract transaction is associated with a permission. Example Requests: permissions permissions?makerCheckerable=true permissions?fields=grouping,code

#### Parameters

#### Return Type

array[[GetPermissionsResponse](#)]

#### Content Type

- application/json

## Responses

Table 441. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetPermissionsResponse</a> ]

## Samples

### PUT /permissions

#### Operation Id

updatePermissionsDetails

Enable/Disable Permissions for Maker Checker

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PutPermissionsRequest	<a href="#">PutPermissionsRequest</a>	X		

#### Return Type

[CommandProcessingResult](#)

#### Content Type

- application/json

#### Responses

Table 442. http response codes

Code	Message	Datatype
200	OK	<a href="#">CommandProcessingResult</a>

## Samples

### Pocket

### POST /self/pockets

#### Operation Id

handleCommands7

Link/delink accounts to/from pocket

## Description

Pockets behave as favourites. An user can link his/her Loan, Savings and Share accounts to pocket for faster access. In a similar way linked accounts can be delinked from the pocket. Example Requests: `self/pockets?command=linkAccounts` `self/pockets?command=delinkAccounts`

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[\*PostLinkDelinkAccountsToFromPocketResponse\*](#)

## Content Type

- application/json

## Responses

Table 443. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostLinkDelinkAccountsToFromPocketResponse</i></a>

## Samples

### GET /self/pockets

#### Operation Id

retrieveAll37

Retrieve accounts linked to pocket

## Description

All linked loan Example Requests: self/pockets

## Parameters

## Return Type

[GetAccountsLinkedToPocketResponse](#)

## Content Type

- application/json

## Responses

Table 444. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetAccountsLinkedToPocketResponse</a>

## Samples

# PovertyLine

GET /povertyLine/{ppiName}

## Operation Id

retrieveAll12

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
ppiName		X	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 445. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /povertyLine/{ppiName}/{likelihoodId}**

### Operation Id

retrieveAll13

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
ppiName		X	null	
likelihoodId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 446. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## ProductMix

**POST /loanproducts/{productId}/productmix**

### Operation Id

createProductMix

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 447. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE** /loanproducts/{productId}/productmix

## Operation Id

deleteProductMix

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 448. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /loanproducts/{productId}/productmix**

**Operation Id**

retrieveTemplate11

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
productId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 449. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /loanproducts/{productId}/productmix**

**Operation Id**

updateProductMix

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
productId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 450. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**Products**

**POST /products/{type}**

**Operation Id**

createProduct

Create a Share Product



## Description

Creates a Share Product Mandatory Fields: name, shortName, description, currencyCode, digitsAfterDecimal,inMultiplesOf, locale, totalShares, unitPrice, nominalShares,allowDividendCalculationForInactiveClients,accountingRule Mandatory Fields for Cash based accounting (accountingRule = 2): shareReferenceId, shareSuspenseId, shareEquityId, incomeFromFeeAccountId Optional Fields: sharesIssued, minimumShares, maximumShares, minimumActivePeriodForDividends, minimumactiveperiodFrequencyType, lockinPeriodFrequency, lockinPeriodFrequencyType, marketPricePeriods, chargesSelected

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostProductsTypeRequest	<a href="#">PostProductsTypeRequest</a>	X		

## Return Type

[PostProductsTypeResponse](#)

## Content Type

- application/json

## Responses

Table 451. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostProductsTypeResponse</a>

## Samples

**POST** /products/{type}/{productId}

## Operation Id

handleCommands3

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	
productId	productId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 452. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /products/{type}

#### Operation Id

retrieveAllProducts

List Share Products

## Description

Lists Share Products Mandatory Fields: limit, offset Example Requests: shareproducts

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	

## Return Type

[\*GetProductsTypeResponse\*](#)

## Content Type

- application/json

## Responses

Table 453. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetProductsTypeResponse</i></a>

## Samples

**GET /products/{type}/{productId}**

## Operation Id

retrieveProduct

Retrieve a Share Product

## Description

Retrieves a Share Product Example Requests: products/share/1 products/share/1?template=true

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

Name	Description	Required	Default	Pattern
type	type	X	null	

#### Return Type

[\*GetProductsTypeProductIdResponse\*](#)

#### Content Type

- application/json

#### Responses

Table 454. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetProductsTypeProductIdResponse</i></a>

#### Samples

**GET /products/{type}/template**

#### Operation Id

retrieveTemplate12

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

#### Return Type

[\[String\]](#)

#### Content Type

- application/json

#### Responses

Table 455. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /products/{type}/{productId}**

## Operation Id

updateProduct

Update a Share Product

## Description

Updates a Share Product

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	
productId	productId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutProductsTypeProductIdRequest	<i>PutProductsTypeProductIdRequest</i>	X		

## Return Type

*PutProductsTypeProductIdResponse*

## Content Type

- application/json

## Responses

Table 456. http response codes

Code	Message	Datatype
200	OK	<i>PutProductsTypeProductIdResponse</i>

#### Samples

## ProvisioningCategory

### POST /provisioningcategory

#### Operation Id

createProvisioningCategory

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 457. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

### DELETE /provisioningcategory/{categoryId}

#### Operation Id

deleteProvisioningCategory

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
categoryId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 458. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /provisioningcategory**

**Operation Id**

retrieveAll15

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 459. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /provisioningcategory/{categoryId}**

## Operation Id

updateProvisioningCategory

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
categoryId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 460. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## ProvisioningCriteria



## POST /provisioningcriteria

### Operation Id

createProvisioningCriteria

Create a new Provisioning Criteria

### Description

Creates a new Provisioning Criteria Mandatory Fields: criteriaName provisioningcriteria Optional Fields: loanProducts

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostProvisioningCriteriaRequest	<a href="#">PostProvisioningCriteriaRequest</a>	X		

### Return Type

[PostProvisioningCriteriaResponse](#)

### Content Type

- application/json

### Responses

Table 461. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostProvisioningCriteriaResponse</a>

### Samples

## DELETE /provisioningcriteria/{criteriaId}

### Operation Id

deleteProvisioningCriteria

Deletes Provisioning Criteria

### Description

Deletes Provisioning Criteria

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
criteriaId	criteriaId	X	null	

### Return Type

[\*DeleteProvisioningCriteriaResponse\*](#)

### Content Type

- application/json

### Responses

Table 462. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteProvisioningCriteriaResponse</i></a>

### Samples

#### GET /provisioningcriteria

#### Operation Id

retrieveAllProvisioningCriteria

Retrieves all created Provisioning Criteria

### Description

Retrieves all created Provisioning Criteria

### Parameters

### Return Type

array[[\*GetProvisioningCriteriaResponse\*](#)]

## Content Type

- application/json

## Responses

Table 463. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetProvisioningCriteriaResponse</a> ]

## Samples

GET /provisioningcriteria/{criteriaId}

## Operation Id

retrieveProvisioningCriteria

Retrieves a Provisioning Criteria

## Description

Retrieves a Provisioning Criteria

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
criteriaId	criteriaId	X	null	

## Return Type

[GetProvisioningCriteriaCriteriaIdResponse](#)

## Content Type

- application/json

## Responses

Table 464. http response codes

Code	Message	Datatype
200	OK	<i>GetProvisioningCriteriaCriteriaIdResponse</i>

#### Samples

**GET /provisioningcriteria/template**

#### Operation Id

retrieveTemplate3

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 465. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**PUT /provisioningcriteria/{criteriaId}**

#### Operation Id

updateProvisioningCriteria

Updates a new Provisioning Criteria

#### Description

Updates a new Provisioning Criteria Optional Fields criteriaName, loanProducts, provisioningcriteria

#### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
criteriaId	criteriaId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutProvisioningCriteriaRequest	<a href="#">PutProvisioningCriteriaRequest</a>	X		

## Return Type

[PutProvisioningCriteriaResponse](#)

## Content Type

- application/json

## Responses

Table 466. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutProvisioningCriteriaResponse</a>

## Samples

## ProvisioningEntries

### POST /provisioningentries

#### Operation Id

createProvisioningEntries

Create new Provisioning Entries

#### Description

Creates a new Provisioning Entries Mandatory Fields date dateFormat locale Optional Fields createjournalentries

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostProvisioningEntriesRequest	<a href="#">PostProvisioningEntriesRequest</a>	-		

### Return Type

[PostProvisioningEntriesResponse](#)

### Content Type

- application/json

### Responses

Table 467. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostProvisioningEntriesResponse</a>

### Samples

#### POST /provisioningentries/{entryId}

#### Operation Id

modifyProvisioningEntry

Recreates Provisioning Entry

#### Description

Recreates Provisioning Entry | createjournalentry.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
entryId	entryId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutProvisioningEntriesRequest	<a href="#">PutProvisioningEntriesRequest</a>	-		

## Query Parameters

Name	Description	Required	Default	Pattern
command	command&#x3D;createjournalentry command&#x3D;recreateprovisioningentry	-	null	

## Return Type

[PutProvisioningEntriesResponse](#)

## Content Type

- application/json

## Responses

Table 468. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutProvisioningEntriesResponse</a>

## Samples

### GET /provisioningentries

#### Operation Id

retrieveAllProvisioningEntries

List all Provisioning Entries

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	

Name	Description	Required	Default	Pattern
limit	limit	-	null	

#### Return Type

array[[ProvisioningEntryData](#)]

#### Content Type

- application/json

#### Responses

Table 469. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">ProvisioningEntryData</a> ]

#### Samples

#### GET /provisioningentries/entries

#### Operation Id

retrieveProviioningEntries

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
entryId		-	null	
offset		-	null	
limit		-	null	
officeId		-	null	
productId		-	null	
categoryId		-	null	

#### Return Type

[LoanProductProvisioningEntryData](#)



## Content Type

- application/json

## Responses

Table 470. http response codes

Code	Message	Datatype
200	OK	<a href="#">LoanProductProvisioningEntryData</a>

## Samples

### GET /provisioningentries/{entryId}

#### Operation Id

retrieveProvisioningEntry

Retrieves a Provisioning Entry

#### Description

Returns the details of a generated Provisioning Entry.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
entryId	entryId	X	null	

#### Return Type

[ProvisioningEntryData](#)

## Content Type

- application/json

## Responses

Table 471. http response codes

Code	Message	Datatype
200	OK	<a href="#">ProvisioningEntryData</a>

**Samples**

**Rate**

**POST /rates**

**Operation Id**

createRate

**Description**

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 472. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /rates**

**Operation Id**

getAllRates

**Description**

**Parameters**

**Return Type**

[String]

### Content Type

- application/json

### Responses

Table 473. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

#### GET /rates/{rateId}

#### Operation Id

retrieveRate

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
rateId		X	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 474. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

#### PUT /rates/{rateId}

#### Operation Id

updateRate

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
rateId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 475. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

# RecurringDepositAccount

GET /recurringdepositaccounts/{accountId}/template

## Operation Id

accountClosureTemplate1

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 476. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE** /recurringdepositaccounts/{accountId}

## Operation Id

delete16

Delete a recurring deposit application

## Description

At present we support hard delete of recurring deposit application so long as its in 'Submitted and pending approval' state. Once the application moves past this state, it is not possible to do a 'hard' delete of the application or the account. An API endpoint will be added to close/de-activate the recurring deposit account.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Return Type

*DeleteRecurringDepositAccountsResponse*

## Content Type

- application/json

## Responses

Table 477. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteRecurringDepositAccountsResponse</a>

## Samples

### GET /recurringdepositaccounts/downloadtemplate

#### Operation Id

getRecurringDepositTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

#### Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 478. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### GET /recurringdepositaccounts/transactions/downloadtemplate

#### Operation Id

getRecurringDepositTransactionTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

#### Responses

Table 479. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /recurringdepositaccounts/{accountId}

#### Operation Id

handleCommands5

Approve recurring deposit application | Undo approval recurring deposit application | Reject recurring deposit application | Withdraw recurring deposit application | Activate a recurring deposit account | Update the recommended deposit amount for a recurring deposit account | Close a recurring deposit account | Premature Close a recurring deposit account | Calculate Premature amount on Recurring deposit account | Calculate Interest on recurring Deposit Account | Post Interest on recurring Deposit Account

## Description

Approve recurring deposit application: Approves recurring deposit application so long as its in 'Submitted and pending approval' state. Undo approval recurring deposit application: Will move 'approved' recurring deposit application back to 'Submitted and pending approval' state. Reject recurring deposit application Rejects recurring deposit application so long as its in 'Submitted and pending approval' state. Withdraw recurring deposit application: Used when an applicant withdraws from the recurring deposit application. It must be in 'Submitted and pending approval' state. Activate a recurring deposit account: Results in an approved recurring deposit application being converted into an 'active' recurring deposit account. Update the recommended deposit amount for a recurring deposit account: Updates the recommended deposit amount for a RD account as on the effective date. Close a recurring deposit account Results in a Matured recurring deposit account being converted into a 'closed' recurring deposit account. On account close allowed actions are.Premature Close a recurring deposit account: Results in an Active recurring deposit account being converted into a 'Premature Closed' recurring deposit account with options to withdraw prematured amount. (premature amount is calculated using interest rate chart applicable along with penal interest if any.) On account premature closure allowed actions are. Calculate Premature amount on Recurring deposit account: Calculate premature amount on recurring deposit till premature close date. Premature amount is calculated based on interest chart and penal interest applicable if any. Calculate Interest on recurring Deposit Account: Calculates interest earned on a recurring deposit account based on todays date. It does not attempt to post or credit the interest on the account. That is responsibility of the Post Interest API that will likely be called by overnight process. Post Interest on recurring Deposit Account: Calculates and Posts interest earned on a recurring deposit account based on todays date and whether an interest posting or crediting event is due. Showing request/response for 'Post Interest on recurring Deposit Account'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	



**Return Type**

*PostRecurringDepositAccountsAccountIdResponse*

**Content Type**

- application/json

**Responses**

Table 480. http response codes

Code	Message	Datatype
200	OK	<i>PostRecurringDepositAccountsAccountIdResponse</i>

**Samples**

**POST /recurringdepositaccounts/uploadtemplate**

**Operation Id**

postRecurringDepositTemplate

**Description**

**Parameters**

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 481. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

### POST /recurringdepositaccounts/transactions/uploadtemplate

#### Operation Id

postRecurringDepositTransactionsTemplate

#### Description

#### Parameters

#### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

#### Return Type

[String]

#### Content Type

- /

#### Responses

Table 482. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

### GET /recurringdepositaccounts

#### Operation Id

retrieveAll31

List Recurring deposit applications/accounts

## Description

Lists Recurring deposit applications/accounts Example Requests: recurringdepositaccounts recurringdepositaccounts?fields=name

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
paged	paged	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

array[[GetRecurringDepositAccountsResponse](#)]

## Content Type

- application/json

## Responses

Table 483. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetRecurringDepositAccountsResponse</a> ]

## Samples

**GET /recurringdepositaccounts/{accountId}**

### Operation Id

retrieveOne21

Retrieve a recurring deposit application/account

## Description

Retrieves a recurring deposit application/account Example Requests : recurringdepositaccounts/1 recurringdepositaccounts/1?associations=all

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	
chargeStatus	chargeStatus	-	all	

### Return Type

[\*GetRecurringDepositAccountsAccountIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 484. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRecurringDepositAccountsAccountIdResponse</i></a>

### Samples

#### POST /recurringdepositaccounts

#### Operation Id

submitApplication1

Submit new recurring deposit application

#### Description

Submits new recurring deposit application Mandatory Fields: clientId or groupId, productId, submittedOnDate, depositAmount, depositPeriod, depositPeriodFrequencyId Optional Fields: accountNo, externalId, fieldOfficerId,linkAccountId(if provided initial deposit amount will be collected

from this account),transferInterestToSavings(By enabling this flag all interest postings will be transferred to linked saving account ) Inherited from Product (if not provided): interestCompoundingPeriodType, interestCalculationType, interestCalculationDaysInYearType, lockinPeriodFrequency, lockinPeriodFrequencyType, preClosurePenalApplicable, preClosurePenalInterest, preClosurePenalInterestOnTypeId, charts, withHoldTax

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostRecurringDepositAccountsRequest	<a href="#">PostRecurringDepositAccountsRequest</a>	X		

### Return Type

[PostRecurringDepositAccountsResponse](#)

### Content Type

- application/json

## Responses

Table 485. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRecurringDepositAccountsResponse</a>

## Samples

### GET /recurringdepositaccounts/template

#### Operation Id

template13

Retrieve recurring Deposit Account Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for recurring deposit applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Requests: recurringdepositaccounts/template?clientId=1 recurringdepositaccounts/template?clientId=1&productId=1

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	
groupId	groupId	-	null	
productId	productId	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

### Return Type

[\*GetRecurringDepositAccountsTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 486. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRecurringDepositAccountsTemplateResponse</i></a>

### Samples

**PUT /recurringdepositaccounts/{accountId}**

### Operation Id

update17

Modify a recurring deposit application

### Description

Recurring deposit application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method. Specific api endpoints will be created to allow change of interest detail such as rate, compounding period, posting period etc

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutRecurringDepositAccountsAccountIdRequest	<a href="#">PutRecurringDepositAccountsAccountIdRequest</a>	X		

### Return Type

[PutRecurringDepositAccountsAccountIdResponse](#)

### Content Type

- application/json

### Responses

Table 487. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutRecurringDepositAccountsAccountIdResponse</a>

### Samples

## RecurringDepositAccountTransactions

**POST** /recurringdepositaccounts/{recurringDepositAccountId}/transactions/{transactionId}

### Operation Id

handleTransactionCommands

Adjust Transaction | Undo transaction

### Description

Adjust Transaction: This command modifies the given transaction. Undo transaction: This command reverses the given transaction. Showing request/response for 'Adjust Transaction'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
recurringDepositAccount Id	recurringDepositAccountId	X	null	
transactionId	transactionId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostRecurringDepositAc countsRecurringDeposit AccountIdTransactionsR equest	<a href="#">PostRecurringDepositAccountsRecurri ngDepositAccountIdTransactionsRequ est</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse](#)

### Content Type

- application/json

### Responses

Table 488. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRecurringD epositAccounts RecurringDepos itAccountIdTran sactionsTransac tionIdResponse</a>

### Samples



**GET /recurringdepositaccounts/{recurringDepositAccountId}/transactions/{transactionId}**

### Operation Id

retrieveOne20

Retrieve Recurring Deposit Account Transaction

### Description

Retrieves Recurring Deposit Account Transaction Example Requests:  
recurringdepositaccounts/1/transactions/1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
recurringDepositAccount Id	recurringDepositAccountId	X	null	
transactionId	transactionId	X	null	

### Return Type

[\*GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 489. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse</i></a>

### Samples

**GET /recurringdepositaccounts/{recurringDepositAccountId}/transactions/template**

### Operation Id

retrieveTemplate15

## Retrieve Recurring Deposit Account Transaction Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Requests: recurringdepositaccounts/1/transactions/template?command=deposit recurringdepositaccounts/1/transactions/template?command=withdrawal

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
recurringDepositAccountId	recurringDepositAccountId	X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[\*GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 490. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTemplateResponse</i></a>

### Samples

## POST /recurringdepositaccounts/{recurringDepositAccountId}/transactions

### Operation Id

transaction1

Deposit Transaction | Withdrawal Transaction

### Description

Deposit Transaction: Used for a deposit transaction Withdrawal Transaction: Used for a Withdrawal Transaction Showing request/response for Deposit Transaction

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
recurringDepositAccountId	recurringDepositAccountId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsRequest	<a href="#">PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsRequest</a>	X		

#### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

### Return Type

[PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsResponse](#)

### Content Type

- application/json

### Responses

Table 491. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsResponse</a>

## Samples

## RecurringDepositProduct

### POST /recurringdepositproducts

#### Operation Id

create12

Create a Recurring Deposit Product

#### Description

Creates a Recurring Deposit Product Mandatory Fields: name, shortName, description, currencyCode, digitsAfterDecimal,inMultiplesOf, interestCompoundingPeriodType, interestCalculationType, interestCalculationDaysInYearType, minDepositTerm, minDepositTermTypeId, recurringDepositFrequency, recurringDepositFrequencyTypeId, accountingRule, depositAmount Mandatory Fields for Cash based accounting (accountingRule = 2): savingsReferenceAccountId, savingsControlAccountId, interestOnSavingsAccountId, incomeFromFeeAccountId, transfersInSuspenseAccountId, incomeFromPenaltyAccountId Optional Fields: lockinPeriodFrequency, lockinPeriodFrequencyType, maxDepositTerm, maxDepositTermTypeId, inMultiplesOfDepositTerm, inMultiplesOfDepositTermTypeId, preClosurePenalApplicable, preClosurePenalInterest, preClosurePenalInterestOnTypeId, feeToIncomeAccountMappings, penaltyToIncomeAccountMappings, charges, charts, minDepositAmount, maxDepositAmount, withHoldTax, taxGroupId

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostRecurringDepositProductsRequest	<a href="#">PostRecurringDepositProductsRequest</a>	X		

#### Return Type

[PostRecurringDepositProductsResponse](#)

## Content Type

- application/json

## Responses

Table 492. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRecurringDepositProductsResponse</a>

## Samples

**DELETE /recurringdepositproducts/{productId}**

## Operation Id

delete17

Delete a Recurring Deposit Product

## Description

Deletes a Recurring Deposit Product

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Return Type

[DeleteRecurringDepositProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 493. http response codes

Code	Message	Datatype
200	OK	<i>DeleteRecurringDepositProductsProductIdResponse</i>

## Samples

### GET /recurringdepositproducts

#### Operation Id

retrieveAll32

List Recuring Deposit Products

#### Description

Lists Recuring Deposit Products Example Requests: recurringdepositproducts recurringdepositproducts?fields=name

#### Parameters

#### Return Type

array[*GetRecurringDepositProductsResponse*]

#### Content Type

- application/json

#### Responses

Table 494. http response codes

Code	Message	Datatype
200	OK	List[ <i>GetRecurringDepositProductsResponse</i> ]

## Samples

### GET /recurringdepositproducts/{productId}

#### Operation Id

retrieveOne22

Retrieve a Recurring Deposit Product

## Description

Retrieves a Recurring Deposit Product Example Requests: recurringdepositproducts/1 recurringdepositproducts/1?template=true recurringdepositproducts/1?fields=name,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Return Type

[GetRecurringDepositProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 495. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetRecurringDepositProductsProductIdResponse</a>

## Samples

### GET /recurringdepositproducts/template

## Operation Id

retrieveTemplate16

## Description

## Parameters

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 496. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### PUT /recurringdepositproducts/{productId}

#### Operation Id

update18

Update a Recurring Deposit Product

#### Description

Updates a Recurring Deposit Product

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutRecurringDepositProductsRequest	<a href="#">PutRecurringDepositProductsRequest</a>	X		

#### Return Type

[PutRecurringDepositProductsResponse](#)

#### Content Type

- application/json

## Responses

Table 497. http response codes



Code	Message	Datatype
200	OK	<i>PutRecurringDepositProductsResponse</i>

#### Samples

## RepaymentWithPostDatedChecks

**DELETE** /loans/{loanId}/postdatedchecks/{postDatedCheckId}

### Operation Id

deletePostDatedCheck

Delete Post Dated Check

### Description

Delete Post Dated Check

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
postDatedCheckId	postDatedCheckId	X	null	
loanId	loanId	X	null	

### Return Type

array[*DeletePostDatedCheck*]

### Content Type

- application/json

### Responses

Table 498. http response codes

Code	Message	Datatype
200	OK	List[ <i>DeletePostDatedCheck</i> ]

#### Samples

**GET /loans/{loanId}/postdatedchecks/{installmentId}**

**Operation Id**

getPostDatedCheck

Get Post Dated Check

**Description**

Get Post Dated Check

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
installmentId	installmentId	X	null	
loanId	loanId	X	null	

**Return Type**

array[[GetPostDatedChecks](#)]

**Content Type**

- application/json

**Responses**

*Table 499. http response codes*

Code	Message	Datatype
200	OK	List[ <a href="#">GetPostDatedChecks</a> ]

**Samples**

**GET /loans/{loanId}/postdatedchecks**

**Operation Id**

getPostDatedChecks

Get All Post Dated Checks

**Description**

Get All Post dated Checks

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Return Type

array[[GetPostDatedChecks](#)]

### Content Type

- application/json

### Responses

*Table 500. http response codes*

Code	Message	Datatype
200	OK	List[ <a href="#">GetPostDatedChecks</a> ]

### Samples

**PUT /loans/{loanId}/postdatedchecks/{postDatedCheckId}**

### Operation Id

updatePostDatedChecks

Update Post Dated Check, Bounced Check

### Description

Update Post Dated Check, Bounced Check

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
postDatedCheckId	postDatedCheckId	X	null	
loanId	loanId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
UpdatePostDatedCheckRequest	<a href="#">UpdatePostDatedCheckRequest</a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
editType	editType	-	null	

## Return Type

array[[UpdatePostDatedCheckResponse](#)]

## Content Type

- application/json

## Responses

Table 501. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">UpdatePostDatedCheckResponse</a> ]

## Samples

## ReportMailingJobs

### POST /reportmailingjobs

#### Operation Id

createReportMailingJob

Create a Report Mailing Job

#### Description

Mandatory Fields: name, startDateTime, stretchyReportId, emailRecipients, emailSubject, emailMessage, emailAttachmentFileFormatId, recurrence, isActive  
Optional Fields: description, stretchyReportParamMap

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostReportMailingJobsRequest	<a href="#">PostReportMailingJobsRequest</a>	X		

### Return Type

[PostReportMailingJobsResponse](#)

### Content Type

- application/json

## Responses

Table 502. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostReportMailingJobsResponse</a>

## Samples

**DELETE** /reportmailingjobs/{entityId}

### Operation Id

deleteReportMailingJob

Delete a Report Mailing Job

### Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
entityId	entityId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[object]	X		

**Return Type**

*DeleteReportMailingJobsResponse*

**Content Type**

- application/json

**Responses**

Table 503. http response codes

Code	Message	Datatype
200	OK	<i>DeleteReportMailingJobsResponse</i>

**Samples**

**GET /reportmailingjobs**

**Operation Id**

retrieveAllReportMailingJobs

List Report Mailing Jobs

**Description**

Example Requests: reportmailingjobs

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

**Return Type**

array[*GetReportMailingJobsResponse*]

## Content Type

- application/json

## Responses

Table 504. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetReportMailingJobsResponse</a> ]

## Samples

### GET /reportmailingjobs/{entityId}

#### Operation Id

retrieveReportMailingJob

Retrieve a Report Mailing Job

#### Description

Example Requests: reportmailingjobs/1 reportmailingjobs/1?template=true

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
entityId	entityId	X	null	

#### Return Type

[GetReportMailingJobsResponse](#)

## Content Type

- application/json

## Responses

Table 505. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetReportMailingJobsResponse</a>

Samples

GET /reportmailingjobs/template

Operation Id

retrieveReportMailingJobTemplate

Retrieve Report Mailing Job Details Template

Description

This is a convenience resource. It can be useful when building maintenance user interface screens for report mailing job applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: reportmailingjobs/template

Parameters

Return Type

*GetReportMailingJobsTemplate*

Content Type

- application/json

Responses

Table 506. http response codes

Code	Message	Datatype
200	OK	<i>GetReportMailingJobsTemplate</i>

Samples

PUT /reportmailingjobs/{entityId}

Operation Id

updateReportMailingJob

Update a Report Mailing Job

Description

Parameters

Path Parameters



Name	Description	Required	Default	Pattern
entityId	entityId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutReportMailingJobsRequest	<a href="#">PutReportMailingJobsRequest</a>	X		

### Return Type

[PutReportMailingJobsResponse](#)

### Content Type

- application/json

### Responses

Table 507. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutReportMailingJobsResponse</a>

### Samples

## Reports

### POST /reports

#### Operation Id

createReport

Create a Report

#### Description

#### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostRepostRequest	<a href="#">PostRepostRequest</a>	X		

**Return Type**

*PostReportsResponse*

**Content Type**

- application/json

**Responses**

Table 508. http response codes

Code	Message	Datatype
200	OK	<i>PostReportsResponse</i>

**Samples**

**DELETE /reports/{id}**

**Operation Id**

deleteReport

Delete a Report

**Description**

Only non-core reports can be deleted.

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
id	id	X	null	

**Return Type**

*DeleteReportsResponse*

**Content Type**

- application/json

**Responses**

Table 509. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteReportsResponse</a>

#### Samples

#### GET /reports/template

#### Operation Id

retrieveOfficeTemplate

Retrieve Report Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request : reports/template

#### Parameters

#### Return Type

[GetReportsTemplateResponse](#)

#### Content Type

- application/json

#### Responses

Table 510. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetReportsTemplateResponse</a>

#### Samples

#### GET /reports/{id}

#### Operation Id

retrieveReport

Retrieve a Report

**Description**

Example Requests: reports/1 reports/1?template=true

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
id	id	X	null	

**Return Type**

*GetReportsResponse*

**Content Type**

- application/json

**Responses**

Table 511. http response codes

Code	Message	Datatype
200	OK	<i>GetReportsResponse</i>

**Samples**

**GET /reports**

**Operation Id**

retrieveReportList

List Reports

**Description**

Lists all reports and their parameters. Example Request: reports

**Parameters**

**Return Type**

array[*GetReportsResponse*]

## Content Type

- application/json

## Responses

Table 512. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetReportsResponse</a> ]

## Samples

### PUT /reports/{id}

#### Operation Id

updateReport

Update a Report

#### Description

Only the useReport description can be updated for core reports.

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
id	id	X	null	

##### Body Parameter

Name	Description	Required	Default	Pattern
PutReportRequest	<a href="#">PutReportRequest</a>	X		

#### Return Type

[PutReportResponse](#)

## Content Type

- application/json

## Responses

Table 513. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutReportResponse</a>

## Samples

## RescheduleLoans

### POST /rescheduleloans

#### Operation Id

createLoanRescheduleRequest

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

#### Return Type

[\[String\]](#)

#### Content Type

- application/json

## Responses

Table 514. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### GET /rescheduleloans/{scheduleId}

#### Operation Id

readLoanRescheduleRequest

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
scheduleId		X	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 515. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /rescheduleloans**

**Operation Id**

retrieveAllRescheduleRequest

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 516. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /rescheduleloans/template**

**Operation Id**

retrieveTemplate9

**Description**

**Parameters**

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 517. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST /rescheduleloans/{scheduleId}**

**Operation Id**

updateLoanRescheduleRequest



**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
scheduleId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 518. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**Roles**

**POST /roles/{roleId}**

**Operation Id**

actionsOnRoles

Enable Role | Disable Role

## Description

Description : Enable role in case role is disabled. | Disable the role in case role is not associated with any users. Example Request: [DomainName/api/v1/roles/{roleId}?command=enable](#) [DomainName/api/v1/roles/{roleId}?command=disable](#)

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostRolesRoleIdResponse](#)

## Content Type

- application/json

## Responses

Table 519. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRolesRoleIdResponse</a>

## Samples

### POST /roles

#### Operation Id

createRole

Create a New Role

## Description

Mandatory Fields name, description

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostRolesRequest	<a href="#">PostRolesRequest</a>	X		

### Return Type

[PostRolesResponse](#)

### Content Type

- application/json

### Responses

Table 520. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostRolesResponse</a>

### Samples

#### DELETE /roles/{roleId}

#### Operation Id

deleteRole

Delete a Role

### Description

Description : Delete the role in case role is not associated with any users.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

### Return Type

[DeleteRolesRoleIdResponse](#)

## Content Type

- application/json

## Responses

Table 521. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteRolesRoleIdResponse</a>

## Samples

### GET /roles

#### Operation Id

retrieveAllRoles

List Roles

## Description

Example Requests: roles roles?fields=name

## Parameters

## Return Type

array[[GetRolesResponse](#)]

## Content Type

- application/json

## Responses

Table 522. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetRolesResponse</a> ]

## Samples

### GET /roles/{roleId}

#### Operation Id

retrieveRole

Retrieve a Role

### Description

Example Requests: roles/1 roles/1?fields=name

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

### Return Type

[\*GetRolesRoleIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 523. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRolesRoleIdResponse</i></a>

### Samples

**GET /roles/{roleId}/permissions**

### Operation Id

retrieveRolePermissions

Retrieve a Role's Permissions

### Description

Example Requests: roles/1/permissions

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

#### Return Type

[\*GetRolesRoleIdPermissionsResponse\*](#)

#### Content Type

- application/json

#### Responses

Table 524. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRolesRoleIdPermissionsResponse</i></a>

#### Samples

#### PUT /roles/{roleId}

#### Operation Id

updateRole

Update a Role

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutRolesRoleIdRequest	<a href="#"><i>PutRolesRoleIdRequest</i></a>	X		

#### Return Type

[\*PutRolesRoleIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 525. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutRolesRoleIdResponse</a>

## Samples

### PUT /roles/{roleId}/permissions

#### Operation Id

updateRolePermissions

Update a Role's Permissions

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
roleId	roleId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutRolesRoleIdPermissionsRequest	<a href="#">PutRolesRoleIdPermissionsRequest</a>	X		

## Return Type

[PutRolesRoleIdPermissionsResponse](#)

## Content Type

- application/json

## Responses

Table 526. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutRolesRoleIdPermissionsResponse</a>

## Samples

## RunReports

**GET /runreports/{reportName}**

### Operation Id

runReport

Running a Report

### Description

This resource allows you to run and receive output from pre-defined Apache Fineract reports. Reports can also be used to provide data for searching and workflow functionality. The default output is a JSON formatted "Generic Resultset". The Generic Resultset contains Column Heading as well as Data information. However, you can export to CSV format by simply adding "&exportCSV=true" to the end of your URL. If Pentaho reports have been pre-defined, they can also be run through this resource. Pentaho reports can return HTML, PDF or CSV formats. The Apache Fineract reference application uses a JQuery plugin called stretchy reporting which, itself, uses this reports resource to provide a pretty flexible reporting User Interface (UI). Example Requests: runreports/Client%20Listing?R\_officeId=1  
runreports/Client%20Listing?R\_officeId=1&exportCSV=true

runreports/OfficeIdSelectOne?R\_officeId=1&parameterType=true

runreports/OfficeIdSelectOne?R\_officeId=1&parameterType=true&exportCSV=true

runreports/Expected%20Payments%20By%20Date%20-%20Formatted?R\_endDate=2013-04-30&R\_loanOfficerId=-1&R\_officeId=1&R\_startDate=2013-04-16&output-type=HTML&R\_officeId=1

runreports/Expected%20Payments%20By%20Date%20-%20Formatted?R\_endDate=2013-04-30&R\_loanOfficerId=-1&R\_officeId=1&R\_startDate=2013-04-16&output-type=XLS&R\_officeId=1

runreports/Expected%20Payments%20By%20Date%20-%20Formatted?R\_endDate=2013-04-30&R\_loanOfficerId=-1&R\_officeId=1&R\_startDate=2013-04-16&output-type=CSV&R\_officeId=1

runreports/Expected%20Payments%20By%20Date%20-%20Formatted?R\_endDate=2013-04-30&R\_loanOfficerId=-1&R\_officeId=1&R\_startDate=2013-04-16&output-type=PDF&R\_officeId=1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
reportName	reportName	X	null	



## Query Parameters

Name	Description	Required	Default	Pattern
isSelfServiceUserReport	isSelfServiceUserReport	-	false	

## Return Type

[RunReportsResponse](#)

## Content Type

- application/json
- application/pdf
- application/vnd.ms-excel
- text/csv
- text/html

## Responses

Table 527. http response codes

Code	Message	Datatype
200	OK	<a href="#">RunReportsResponse</a>

## Samples

## SMS

## POST /sms

## Operation Id

create2

## Description

## Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 528. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**DELETE /sms/{resourceId}**

**Operation Id**

delete6

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
resourceId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 529. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

## GET /sms

### Operation Id

retrieveAll10

### Description

### Parameters

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 530. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /sms/{campaignId}/messageByStatus

### Operation Id

retrieveAllSmsByStatus

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
campaignId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
status		-	null	
fromDate		-	null	
toDate		-	null	

Name	Description	Required	Default	Pattern
locale		-	null	
dateFormat		-	null	
sqlSearch		-	null	
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 531. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

GET /sms/{resourceId}

### Operation Id

retrieveOne6

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Return Type

[String]

## Content Type

- application/json

## Responses

Table 532. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### PUT /sms/{resourceId}

## Operation Id

update3

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
resourceId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 533. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### SPMAPILookupTable

#### POST /surveys/{surveyId}/lookuptables

##### Operation Id

createLookupTable

Create a Lookup Table entry

##### Description

Add a new entry to a survey. Mandatory Fields key, score, validFrom, validTo

##### Parameters

###### Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	

###### Body Parameter

Name	Description	Required	Default	Pattern
LookupTableData	<a href="#">LookupTableData</a>	-		

##### Return Type

-

##### Responses

Table 534. http response codes

Code	Message	Datatype
200	OK	<<>>

## Samples

#### GET /surveys/{surveyId}/lookuptables

##### Operation Id

fetchLookupTables

List all Lookup Table entries

## Description

List all Lookup Table entries for a survey.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	

## Return Type

array[[LookupTableData](#)]

## Content Type

- application/json

## Responses

Table 535. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">LookupTableData</a> ]

## Samples

GET /surveys/{surveyId}/lookuptables/{key}

## Operation Id

findLookupTable

Retrieve a Lookup Table entry

## Description

Retrieve a Lookup Table entry for a survey.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	
key	Enter key	X	null	

## Return Type

[LookupTableData](#)

## Content Type

- application/json

## Responses

Table 536. http response codes

Code	Message	Datatype
200	OK	<a href="#">LookupTableData</a>

## Samples

## SavingsAccount

**DELETE** /savingsaccounts/{accountId}

## Operation Id

delete18

Delete a savings application

## Description

At present we support hard delete of savings application so long as its in 'Submitted and pending approval' state. One the application is moves past this state, it is not possible to do a 'hard' delete of the application or the account. An API endpoint will be added to close/de-activate the savings account.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Return Type

[DeleteSavingsAccountsAccountIdResponse](#)

## Content Type

- application/json



## Responses

Table 537. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteSavingsAccountsAccountIdResponse</a>

## Samples

### GET /savingsaccounts/downloadtemplate

#### Operation Id

getSavingsTemplate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

#### Return Type

-

#### Content Type

- application/vnd.ms-excel

## Responses

Table 538. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### GET /savingsaccounts/transactions/downloadtemplate

## Operation Id

getSavingsTransactionTemplate

## Description

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

## Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 539. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

## POST /savingsaccounts/{accountId}

## Operation Id

handleCommands6

Approve savings application | Undo approval savings application | Assign Savings Officer | Unassign Savings Officer | Reject savings application | Withdraw savings application | Activate a savings account | Close a savings account | Calculate Interest on Savings Account | Post Interest on Savings Account | Block Savings Account | Unblock Savings Account | Block Savings Account Credit transactions | Unblock Savings Account Credit transactions | Block Savings Account Debit transactions | Unblock Savings Account debit transactions

## Description

Approve savings application: Approves savings application so long as its in 'Submitted and pending approval' state. Undo approval savings application: Will move 'approved' savings application back to

'Submitted and pending approval' state. Assign Savings Officer: Allows you to assign Savings Officer for existing Savings Account. Unassign Savings Officer: Allows you to unassign the Savings Officer. Reject savings application: Rejects savings application so long as its in 'Submitted and pending approval' state. Withdraw savings application: Used when an applicant withdraws from the savings application. It must be in 'Submitted and pending approval' state. Activate a savings account: Results in an approved savings application being converted into an 'active' savings account. Close a savings account: Results in an Activated savings application being converted into an 'closed' savings account. closedOnDate is closure date of savings account withdrawBalance is a boolean description, true value of this field performs a withdrawal transaction with account's running balance. Mandatory Fields: dateFormat, locale, closedOnDate Optional Fields: note, withdrawBalance, paymentTypeId, accountNumber, checkNumber, routingCode, receiptNumber, bankNumber Calculate Interest on Savings Account: Calculates interest earned on a savings account based on today's date. It does not attempt to post or credit the interest on the account. That is responsibility of the Post Interest API that will likely be called by overnight process. Post Interest on Savings Account: Calculates and Posts interest earned on a savings account based on today's date and whether an interest posting or crediting event is due. Block Savings Account: Blocks Savings account from all types of credit and debit transactions Unblock Savings Account: Unblock a blocked account. On unblocking account, user can perform debit and credit transactions Block Savings Account Credit transactions: Savings account will be blocked from all types of credit transactions. Unblock Savings Account Credit transactions: It unblocks the Saving account's credit operations. Now all types of credits can be transacted to Savings account Block Savings Account Debit transactions: All types of debit operations from Savings account will be blocked Unblock Savings Account debit transactions: It unblocks the Saving account's debit operations. Now all types of debits can be transacted from Savings account Showing request/response for 'Unassign Savings Officer'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsAccountsAccountRequestId	<a href="#">PostSavingsAccountsAccountIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostSavingsAccountsAccountIdResponse](#)

## Content Type

- application/json

## Responses

Table 540. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSavingsAccountsAccountIdResponse</a>

## Samples

**POST** /savingsaccounts/gsimcommands/{parentAccountId}

## Operation Id

handleGSIMCommands

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
parentAccountId		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

### Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 541. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## POST /savingsaccounts/uploadtemplate

## Operation Id

postSavingsTemplate

## Description

## Parameters

## Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

## Return Type

[String]

## Content Type

- /

## Responses

Table 542. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**POST /savingsaccounts/transactions/uploadtemplate**

**Operation Id**

postSavingsTransactionTemplate

**Description**

**Parameters**

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

• /

**Responses**

Table 543. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /savingsaccounts**

**Operation Id**

retrieveAll33

List savings applications/accounts

**Description**

Lists savings applications/accounts Example Requests: savingsaccounts savingsaccounts?fields=name

**Parameters**

## Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

[\*GetSavingsAccountsResponse\*](#)

## Content Type

- application/json

## Responses

Table 544. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSavingsAccountsResponse</i></a>

## Samples

**GET /savingsaccounts/{accountId}**

## Operation Id

retrieveOne24

Retrieve a savings application/account

## Description

Retrieves a savings application/account Example Requests : savingsaccounts/1 savingsaccounts/1?associations=all

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	
chargeStatus	chargeStatus	-	all	

### Return Type

[GetSavingsAccountsAccountIdResponse](#)

### Content Type

- application/json

### Responses

Table 545. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSavingsAccountsAccountIdResponse</a>

### Samples

#### POST /savingsaccounts

#### Operation Id

submitApplication2

Submit new savings application

#### Description

Submits new savings application  
Mandatory Fields: clientId or groupId, productId, submittedOnDate  
Optional Fields: accountNo, externalId, fieldOfficerId  
Inherited from Product (if not provided):  
nominalAnnualInterestRate, interestCompoundingPeriodType, interestCalculationType,  
interestCalculationDaysInYearType, minRequiredOpeningBalance, lockinPeriodFrequency,  
lockinPeriodFrequencyType, withdrawalFeeForTransfers, allowOverdraft, overdraftLimit,  
withHoldTax  
Additional Mandatory Field if Entity-Datatable Check is enabled for the entity of type Savings: datatables



## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsAccountsRequest	<a href="#">PostSavingsAccountsRequest</a>	X		

### Return Type

[PostSavingsAccountsResponse](#)

### Content Type

- application/json

### Responses

Table 546. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSavingsAccountsResponse</a>

### Samples

### POST /savingsaccounts/gsim

### Operation Id

submitGSIMApplication

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

### Return Type

[\[String\]](#)

### Content Type

- application/json

## Responses

Table 547. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /savingsaccounts/template

#### Operation Id

template14

Retrieve Savings Account Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists      Example      Requests:      savingsaccounts/template?clientId=1  
savingsaccounts/template?clientId=1&productId=1

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	
groupId	groupId	-	null	
productId	productId	-	null	
staffInSelectedOfficeOnly	staffInSelectedOfficeOnly	-	false	

## Return Type

[\*GetSavingsAccountsTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 548. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSavingsAccountsTemplateResponse</a>

## Samples

**PUT /savingsaccounts/{accountId}**

## Operation Id

update19

Modify a savings application | Modify savings account withhold tax applicability

## Description

Modify a savings application: Savings application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method. Specific api endpoints will be created to allow change of interest detail such as rate, compounding period, posting period etc Modify savings account withhold tax applicability: Savings application's withhold tax can be modified when in 'Active' state. Once the application is activated, can modify the account withhold tax to post tax or vice-versa Showing request/response for 'Modify a savings application'

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutSavingsAccountsAccountIdRequest	<a href="#">PutSavingsAccountsAccountIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

**Return Type**

*PutSavingsAccountsAccountIdResponse*

**Content Type**

- application/json

**Responses**

Table 549. http response codes

Code	Message	Datatype
200	OK	<i>PutSavingsAccountsAccountIdResponse</i>

**Samples**

**PUT /savingsaccounts/gsim/{parentAccountId}**

**Operation Id**

updateGsim

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
parentAccountId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

**Return Type**

[\[String\]](#)

**Content Type**

- application/json

## Responses

Table 550. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## SavingsAccountTransactions

POST /savingsaccounts/{savingsId}/transactions/{transactionId}

### Operation Id

adjustTransaction1

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
savingsId		X	null	
transactionId		X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 551. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /savingsaccounts/{savingsId}/transactions/{transactionId}**

### Operation Id

retrieveOne23

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
savingsId		X	null	
transactionId		X	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 552. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /savingsaccounts/{savingsId}/transactions/template**

### Operation Id

retrieveTemplate18

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
savingsId		X	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 553. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### POST /savingsaccounts/{savingsId}/transactions

#### Operation Id

transaction2

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
savingsId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsAccountTransactionsRequest	<a href="#">PostSavingsAccountTransactionsRequest</a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[\*PostSavingsAccountTransactionsResponse\*](#)

## Content Type

- application/json

## Responses

Table 554. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostSavingsAccountTransactionsResponse</i></a>

## Samples

## SavingsCharges

**POST** /savingsaccounts/{savingsAccountId}/charges

## Operation Id

addSavingsAccountCharge

Create a Savings account Charge

## Description

Creates a Savings account Charge Mandatory Fields for Savings account Charges: chargeId, amount chargeId, amount, dueDate, dateFormat, locale chargeId, amount, feeOnMonthDay, monthDayFormat, locale

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	



## Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsAccountsSavingsAccountIdChargesRequest	<a href="#">PostSavingsAccountsSavingsAccountIdChargesRequest</a>	X		

## Return Type

[PostSavingsAccountsSavingsAccountIdChargesResponse](#)

## Content Type

- application/json

## Responses

Table 555. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSavingsAccountsSavingsAccountIdChargesResponse</a>

## Samples

**DELETE /savingsaccounts/{savingsAccountId}/charges/{savingsAccountChargeId}**

## Operation Id

deleteSavingsAccountCharge

Delete a Savings account Charge

## Description

Note: Currently, A Savings account Charge may only be removed from Savings that are not yet approved.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	
savingsAccountChargeId	savingsAccountChargeId	X	null	

**Return Type**

[DeleteSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse](#)

**Content Type**

- application/json

**Responses**

Table 556. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse</a>

**Samples**

**POST /savingsaccounts/{savingsAccountId}/charges/{savingsAccountChargeId}**

**Operation Id**

payOrWaiveSavingsAccountCharge

Pay a Savings account Charge | Waive off a Savings account Charge | Inactivate a Savings account Charge

**Description**

Pay a Savings account Charge: An active charge will be paid when savings account is active and having sufficient balance. Waive off a Savings account Charge: Outstanding charge amount will be waived off. Inactivate a Savings account Charge: A charge will be allowed to inactivate when savings account is active and not having any dues as of today. If charge is overpaid, corresponding charge payment transactions will be reversed. Showing request/response for 'Pay a Savings account Charge'

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	
savingsAccountChargeId	savingsAccountChargeId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest	<a href="#">PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest</a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse](#)

## Content Type

- application/json

## Responses

Table 557. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse</a>

## Samples

**GET /savingsaccounts/{savingsAccountId}/charges**

## Operation Id

retrieveAllSavingsAccountCharges

List Savings Charges

## Description

Lists Savings Charges Example Requests: savingsaccounts/1/charges savingsaccounts/1/charges?chargeStatus=all savingsaccounts/1/charges?chargeStatus=inactive

savingsaccounts/1/charges?chargeStatus=active  
savingsaccounts/1/charges?fields=name,amountOrPercentage

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	

Query Parameters

Name	Description	Required	Default	Pattern
chargeStatus	chargeStatus	-	all	

Return Type

array[[GetSavingsAccountsSavingsAccountIdChargesResponse](#)]

Content Type

- application/json

Responses

Table 558. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSavingsAccountsSavingsAccountIdChargesResponse</a> ]

Samples

GET /savingsaccounts/{savingsAccountId}/charges/{savingsAccountChargeId}

Operation Id

retrieveSavingsAccountCharge

Retrieve a Savings account Charge

Description

Retrieves a Savings account Charge Example Requests: /savingsaccounts/1/charges/5  
/savingsaccounts/1/charges/5?fields=name,amountOrPercentage

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	
savingsAccountChargeId	savingsAccountChargeId	X	null	

### Return Type

[\*GetSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 559. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse</i></a>

### Samples

**GET /savingsaccounts/{savingsAccountId}/charges/template**

### Operation Id

retrieveTemplate17

Retrieve Savings Charges Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: savingsaccounts/1/charges/template

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	

## Return Type

[GetSavingsAccountsSavingsAccountIdChargesTemplateResponse](#)

## Content Type

- application/json

## Responses

Table 560. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSavingsAccountsSavingsAccountIdChargesTemplateResponse</a>

## Samples

**PUT /savingsaccounts/{savingsAccountId}/charges/{savingsAccountChargeId}**

## Operation Id

updateSavingsAccountCharge

Update a Savings account Charge

## Description

Currently Savings account Charges may be updated only if the Savings account is not yet approved.

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
savingsAccountId	savingsAccountId	X	null	
savingsAccountChargeId	savingsAccountChargeId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest	<a href="#">PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest</a>	X		

## Return Type

[PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse](#)

## Content Type

- application/json

## Responses

Table 561. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse</a>

## Samples

## SavingsProduct

### POST /savingsproducts

#### Operation Id

create13

Create a Savings Product

#### Description

Creates a Savings Product Mandatory Fields: name, shortName, description, currencyCode, digitsAfterDecimal,inMultiplesOf, nominalAnnualInterestRate, interestCompoundingPeriodType, interestCalculationType, interestCalculationDaysInYearType,accountingRule Mandatory Fields for Cash based accounting (accountingRule = 2): savingsReferenceAccountId, savingsControlAccountId, interestOnSavingsAccountId, incomeFromFeeAccountId, transfersInSuspenseAccountId, incomeFromPenaltyAccountId Optional Fields: minRequiredOpeningBalance, lockinPeriodFrequency,

lockinPeriodFrequencyType, withdrawalFeeForTransfers, paymentChannelToFundSourceMappings, feeToIncomeAccountMappings, penaltyToIncomeAccountMappings, charges, allowOverdraft, overdraftLimit, minBalanceForInterestCalculation,withHoldTax,taxGroupId,accountMapping, lienAllowed, maxAllowedLienLimit

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
PostSavingsProductsRequest	<a href="#">PostSavingsProductsRequest</a>	X		

Return Type

[PostSavingsProductsResponse](#)

Content Type

- application/json

Responses

Table 562. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSavingsProductsResponse</a>

Samples

DELETE /savingsproducts/{productId}

Operation Id

delete19

Delete a Savings Product

Description

Deletes a Savings Product

Parameters

Path Parameters



Name	Description	Required	Default	Pattern
productId	productId	X	null	

#### Return Type

[DeleteSavingsProductsProductIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 563. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteSavingsProductsProductIdResponse</a>

#### Samples

#### GET /savingsproducts

#### Operation Id

retrieveAll34

List Savings Products

#### Description

Lists Savings Products Example Requests: savingsproducts savingsproducts?fields=name

#### Parameters

#### Return Type

array[[GetSavingsProductsResponse](#)]

#### Content Type

- application/json

#### Responses

Table 564. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSavingsProductsResponse</a> ]

## Samples

**GET /savingsproducts/{productId}**

## Operation Id

retrieveOne25

Retrieve a Savings Product

## Description

Retrieves a Savings Product Example Requests: savingsproducts/1 savingsproducts/1?template=true savingsproducts/1?fields=name,description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Return Type

[GetSavingsProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 565. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSavingsProductsProductIdResponse</a>

## Samples

## GET /savingsproducts/template

### Operation Id

retrieveTemplate19

Retrieve Savings Product Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: Account Mapping: savingsproducts/template

### Parameters

### Return Type

[GetSavingsProductsTemplateResponse](#)

### Content Type

- application/json

### Responses

Table 566. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSavingsProductsTemplateResponse</a>

### Samples

## PUT /savingsproducts/{productId}

### Operation Id

update20

Update a Savings Product

### Description

Updates a Savings Product

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
productId	productId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutSavingsProductsProductIdRequest	<a href="#">PutSavingsProductsProductIdRequest</a>	X		

## Return Type

[PutSavingsProductsProductIdResponse](#)

## Content Type

- application/json

## Responses

Table 567. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutSavingsProductsProductIdResponse</a>

## Samples

## Scheduler

### POST /scheduler

#### Operation Id

changeSchedulerStatus

Activate Scheduler Jobs | Suspend Scheduler Jobs

#### Description

Activates the scheduler job service. | Suspends the scheduler job service.

#### Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

-

## Responses

Table 568. http response codes

Code	Message	Datatype
200	POST : scheduler?command&#x3D;start POST : scheduler?command&#x3D;stop	<<>>

## Samples

### GET /scheduler

#### Operation Id

retrieveStatus

Retrieve Scheduler Status

## Description

Returns the scheduler status. Example Requests: scheduler

## Parameters

## Return Type

[GetSchedulerResponse](#)

## Content Type

- application/json

## Responses

Table 569. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSchedulerResponse</a>

Samples

ScoreCard

POST /surveys/scorecards/{surveyId}

Operation Id

createScorecard1

Create a Scorecard entry

Description

Add a new entry to a survey. Mandatory Fields clientId, createdOn, questionId, responseId, staffId

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
ScorecardData	scorecardData <a href="#">ScorecardData</a>	-		

Return Type

-

Responses

Table 570. http response codes

Code	Message	Datatype
200	OK	<<>>

Samples

GET /surveys/scorecards/clients/{clientId}

Operation Id

findByClient1

Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

### Return Type

array[[ScorecardData](#)]

### Content Type

- application/json

### Responses

Table 571. http response codes

Code	Message	Datatype
0	default response	List[ <a href="#">ScorecardData</a> ]

### Samples

**GET** /surveys/scorecards/{surveyId}

### Operation Id

findBySurvey

List all Scorecard entries

### Description

List all Scorecard entries for a survey.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	

### Return Type

array[[Scorecard](#)]

## Content Type

- application/json

## Responses

Table 572. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">Scorecard</a> ]

## Samples

**GET /surveys/scorecards/{surveyId}/clients/{clientId}**

## Operation Id

findBySurveyAndClient

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
surveyId	Enter surveyId	X	null	
clientId	Enter clientId	X	null	

## Return Type

array[[ScorecardData](#)]

## Content Type

- application/json

## Responses

Table 573. http response codes

Code	Message	Datatype
0	default response	List[ <a href="#">ScorecardData</a> ]

## Samples



# SearchAPI

## POST /search/advance

### Operation Id

advancedSearch

Adhoc query search

### Description

AdHocQuery search has more search options, it is a POST request, it uses request body to send search parameters Mandatory fields:entities Optional fields:loanStatus, loanProducts, offices, loanDateOption, loanFromDate, loanToDate, includeOutStandingAmountPercentage, outStandingAmountPercentageCondition, minOutStandingAmountPercentage and maxOutStandingAmountPercentage OR outStandingAmountPercentage, includeOutstandingAmount, outstandingAmountCondition, minOutstandingAmount and maxOutstandingAmount OR outstandingAmount

### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostAdhocQuerySearch Request	<a href="#">PostAdhocQuerySearchRequest</a>	X		

### Return Type

array[[PostAdhocQuerySearchResponse](#)]

### Content Type

- application/json

### Responses

Table 574. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">PostAdhocQuerySearchResponse</a> ]

### Samples

## GET /search/template

### Operation Id

retrieveAdHocSearchQueryTemplate

Retrive Adhoc Search query template

### Description

Mandatory Fields search?query=000000001

### Parameters

### Return Type

[GetSearchResponse](#)

### Content Type

- application/json

### Responses

Table 575. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSearchResponse</a>

### Samples

## GET /search

### Operation Id

searchData

Search Resources

### Description

Example Requests:    search?query=000000001    search?query=Petra&resource=clients,groups  
search?query=Petra&resource=clients,groups&exactMatch=true

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
query	query	-	null	
resource	resource	-	null	
exactMatch	exactMatch	-	false	

#### Return Type

array[[GetSearchResponse](#)]

#### Content Type

- application/json

#### Responses

Table 576. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSearchResponse</a> ]

#### Samples

## SelfAccountTransfer

### POST /self/accounttransfers

#### Operation Id

create14

Create new Transfer

#### Description

Ability to create new transfer of monetary funds from one account to another. Example Requests:  
self/accounttransfers/

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[ <a href="#">string</a> ]	-		

## Query Parameters

Name	Description	Required	Default	Pattern
type		-		

## Return Type

array[[PostNewTransferResponse](#)]

## Content Type

- application/json

## Responses

Table 577. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">PostNewTransferResponse</a> ]

## Samples

### GET /self/accounttransfers/template

#### Operation Id

template15

Retrieve Account Transfer Template

## Description

Returns list of loan/savings accounts that can be used for account transfer Example Requests: self/accounttransfers/template

## Parameters

## Query Parameters

Name	Description	Required	Default	Pattern
type		-		

## Return Type

array[[GetAccountTransferTemplateResponse](#)]

## Content Type

- application/json

## Responses

Table 578. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetAccountTransferTemplateResponse</a> ]

## Samples

## SelfAuthentication

### POST /self/authentication

#### Operation Id

authenticate1

Verify authentication

#### Description

Authenticates the credentials provided and returns the set roles and permissions allowed. Please visit this link for more info - [fineract.apache.org/legacy-docs/apiLive.htm#selfbasicauth](http://fineract.apache.org/legacy-docs/apiLive.htm#selfbasicauth)

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	<a href="#">[string]</a>	-		

#### Return Type

[PostSelfAuthenticationResponse](#)

## Content Type

- application/json

## Responses

Table 579. http response codes

Code	Message	Datatype
200	OK	<i>PostSelfAuthenticationResponse</i>

## Samples

## SelfClient

### POST /self/clients/{clientId}/images

#### Operation Id

addNewClientImage2

#### Description

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

##### Form Parameters

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

##### Header Parameters

Name	Description	Required	Default	Pattern
Content-Length		-	null	

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 580. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### DELETE /self/clients/{clientId}/images

#### Operation Id

deleteClientImage1

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 581. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /self/clients

#### Operation Id

retrieveAll36

List Clients associated to the user

## Description

The list capability of clients can support pagination and sorting. Example Requests: self/clients  
self/clients?fields=displayName,officeName  
self/clients?offset=10&limit=50  
self/clients?orderBy=displayName&sortOrder=DESC

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
displayName	displayName	-	null	
firstName	firstName	-	null	
lastName	lastName	-	null	
offset	offset	-	null	
status	status	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

[GetSelfClientsResponse](#)

## Content Type

- application/json

## Responses

Table 582. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfClientsResponse</a>

## Samples

**GET /self/clients/{clientId}/charges**

### Operation Id

retrieveAllClientCharges1

List Client Charges



## Description

The list capability of client charges supports pagination. Example Requests: self/clients/1/charges  
self/clients/1/charges?offset=0&limit=5

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
chargeStatus	chargeStatus	-	all	
pendingPayment	pendingPayment	-	null	
limit	limit	-	null	
offset	offset	-	null	

## Return Type

[GetSelfClientsClientIdChargesResponse](#)

## Content Type

- application/json

## Responses

Table 583. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfClientsClientIdChargesResponse</a>

## Samples

**GET /self/clients/{clientId}/transactions**

## Operation Id

retrieveAllClientTransactions1

List Client Transactions

## Description

The list capability of client transaction can support pagination. Example Requests:  
self/clients/189/transactions self/clients/189/transactions?offset=10&limit=50

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	

## Return Type

[GetSelfClientsClientIdTransactionsResponse](#)

## Content Type

- application/json

## Responses

Table 584. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfClientsClientIdTransactionsResponse</a>

## Samples

**GET /self/clients/{clientId}/accounts**

## Operation Id

retrieveAssociatedAccounts1

Retrieve client accounts overview

## Description

An example of how a loan portfolio summary can be provided. This is requested in a specific use case of the community application. It is quite reasonable to add resources like this to simplify User Interface development.

Example

Requests:

self/clients/1/accounts

self/clients/1/accounts?fields=loanAccounts,savingsAccounts

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

## Return Type

[GetSelfClientsClientIdAccountsResponse](#)

## Content Type

- application/json

## Responses

Table 585. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfClientsClientIdAccountsResponse</a>

## Samples

**GET /self/clients/{clientId}/charges/{chargeId}**

## Operation Id

retrieveClientCharge1

Retrieve a Client Charge

## Description

Retrieves a Client Charge

Example

Requests:

self/clients/1/charges/1

self/clients/1/charges/1?fields=name,id

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
chargeId	chargeId	X	null	

## Return Type

[\*GetSelfClientsClientIdChargesChargeIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 586. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSelfClientsClientIdChargesChargeIdResponse</i></a>

## Samples

**GET /self/clients/{clientId}/transactions/{transactionId}**

## Operation Id

retrieveClientTransaction1

Retrieve a Client Transaction

## Description

Retrieves a Client TransactionExample Requests: self/clients/1/transactions/1  
self/clients/1/transactions/1?fields=id,officeName

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	
transactionId	transactionId	X	null	

## Return Type

[\*GetSelfClientsClientIdTransactionsTransactionIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 587. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSelfClientsClientIdTransactionsTransactionIdResponse</i></a>

## Samples

**GET /self/clients/{clientId}/images**

## Operation Id

retrieveImage1

Retrieve Client Image

## Description

Optional arguments are identical to those of Get Image associated with an Entity (Binary file) Example Requests: self/clients/1/images

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
maxWidth		-	null	
maxHeight		-	null	
output		-	null	

## Return Type

-

## Responses

Table 588. http response codes

Code	Message	Datatype
200	OK	<<>>

## Samples

### GET /self/clients/{clientId}/obligeedetails

#### Operation Id

retrieveObligeeDetails1

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 589. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /self/clients/{clientId}

#### Operation Id

retrieveOne26

Retrieve a Client

### Description

Retrieves a Client Example Requests: self/clients/1 self/clients/1?fields=id,displayName,officeName

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	X	null	

### Return Type

[GetSelfClientsClientIdResponse](#)

### Content Type

- application/json

### Responses

Table 590. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfClientsClientIdResponse</a>

### Samples

## SelfDividend

POST /shareproduct/{productId}/dividend

### Operation Id

createDividendDetail

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 591. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**DELETE /shareproduct/{productId}/dividend/{dividendId}**

## Operation Id

deleteDividendDetail

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	
dividendId		X	null	

## Return Type

[String]

## Content Type

- application/json



## Responses

Table 592. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /shareproduct/{productId}/dividend**

### Operation Id

retrieveAll39

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	
status		-	null	

### Return Type

[String]

### Content Type

- application/json

## Responses

Table 593. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /shareproduct/{productId}/dividend/{dividendId}**

## Operation Id

retrieveDividendDetails

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
dividendId		X	null	
productId		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
offset		-	null	
limit		-	null	
orderBy		-	null	
sortOrder		-	null	
accountNo		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 594. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**PUT /shareproduct/{productId}/dividend/{dividendId}**

**Operation Id**

updateDividendDetail

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
productId		X	null	
dividendId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Query Parameters**

Name	Description	Required	Default	Pattern
command		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 595. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

# SelfLoanProducts

## GET /self/loanproducts

### Operation Id

retrieveAllLoanProducts1

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
clientId		-	null	

### Return Type

[String]

### Content Type

- application/json

### Responses

Table 596. http response codes

Code	Message	Datatype
0	default response	[String]

### Samples

## GET /self/loanproducts/{productId}

### Operation Id

retrieveLoanProductDetails1

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
clientId		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 597. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## SelfLoans

### POST /self/loans

#### Operation Id

calculateLoanScheduleOrSubmitLoanApplication1

Calculate Loan Repayment Schedule | Submit a new Loan Application

#### Description

Calculate Loan Repayment Schedule: Calculates Loan Repayment Schedule Mandatory Fields: productId, principal, loanTermFrequency, loanTermFrequencyType, numberOfRepayments, repaymentEvery, repaymentFrequencyType, interestRatePerPeriod, amortizationType, interestType, interestCalculationPeriodType, expectedDisbursementDate, transactionProcessingStrategyId Submit a new Loan Application: Mandatory Fields: clientId, productId, principal, loanTermFrequency, loanTermFrequencyType, loanType, numberOfRepayments, repaymentEvery, repaymentFrequencyType, interestRatePerPeriod, amortizationType, interestType, interestCalculationPeriodType, transactionProcessingStrategyId, expectedDisbursementDate, submittedOnDate, loanType Additional Mandatory Fields if interest recalculation is enabled for product and Rest frequency not same as repayment period: recalculationRestFrequencyDate Additional Mandatory Fields if interest recalculation with interest/fee compounding is enabled for product and compounding frequency not same as repayment period: recalculationCompoundingFrequencyDate Additional Mandatory Field if Entity-Datatable Check is enabled for the entity of type loan: datatables Optional Fields: graceOnPrincipalPayment,

graceOnInterestPayment, graceOnInterestCharged, linkAccountId, allowPartialPeriodInterestCalcualtion, fixedEmiAmount, maxOutstandingLoanBalance, disbursementData, graceOnArrearsAgeing, createStandingInstructionAtDisbursement (requires linkedAccountId if set to true) Showing request/response for 'Submit a new Loan Application'

Parameters

Body Parameter

Name	Description	Required	Default	Pattern
PostSelfLoansRequest	<i>PostSelfLoansRequest</i>	X		

Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

Return Type

*PostSelfLoansResponse*

Content Type

- application/json

Responses

Table 598. http response codes

Code	Message	Datatype
200	OK	<i>PostSelfLoansResponse</i>

Samples

PUT /self/loans/{loanId}

Operation Id

modifyLoanApplication1

Update a Loan Application

Description

Loan application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutSelfLoansLoanIdRequest	<a href="#">PutSelfLoansLoanIdRequest</a>	X		

### Return Type

[PutSelfLoansLoanIdResponse](#)

### Content Type

- application/json

### Responses

Table 599. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutSelfLoansLoanIdResponse</a>

### Samples

#### GET /self/loans/{loanId}/charges

#### Operation Id

retrieveAllLoanCharges1

List Loan Charges

#### Description

Lists loan Charges Example  
self/loans/1/charges?fields=name,amountOrPercentage

Requests: self/loans/1/charges

### Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Return Type

array[[GetSelfLoansLoanIdChargesResponse](#)]

## Content Type

- application/json

## Responses

Table 600. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSelfLoansLoanIdChargesResponse</a> ]

## Samples

### GET /self/loans/{loanId}/guarantors

## Operation Id

retrieveGuarantorDetails2

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId		X	null	

## Return Type

[[String](#)]

## Content Type

- application/json



## Responses

Table 601. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

### GET /self/loans/{loanId}

#### Operation Id

retrieveLoan1

Retrieve a Loan

#### Description

Retrieves a Loan Example Requests: self/loans/1 self/loans/1?fields=id,principal,annualInterestRate  
self/loans/1?fields=id,principal,annualInterestRate&associations=repaymentSchedule,transactions

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

#### Return Type

[GetSelfLoansLoanIdResponse](#)

#### Content Type

- application/json

## Responses

Table 602. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfLoansLoanIdResponse</a>

## Samples

## GET /self/loans/{loanId}/charges/{chargeId}

### Operation Id

retrieveLoanCharge1

Retrieve a Loan Charge

### Description

Retrieves a Loan Charge Example Requests: self/loans/1/charges/1  
self/loans/1/charges/1?fields=name,amountOrPercentage

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
chargeId	chargeId	X	null	

### Return Type

[GetSelfLoansLoanIdChargesResponse](#)

### Content Type

- application/json

### Responses

Table 603. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfLoansLoanIdChargesResponse</a>

### Samples

## GET /self/loans/{loanId}/transactions/{transactionId}

### Operation Id

retrieveTransaction1

Retrieve a Loan Transaction Details

## Description

Retrieves a Loan Transaction DetailsExample Request: self/loans/5/transactions/3

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	
transactionId	transactionId	X	null	

## Return Type

[\*GetSelfLoansLoanIdTransactionsTransactionIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 604. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSelfLoansLoanIdTransactionsTransactionIdResponse</i></a>

## Samples

### POST /self/loans/{loanId}

#### Operation Id

stateTransitions1

Applicant Withdraws from Loan Application

## Description

Applicant Withdraws from Loan Application Mandatory Fields: withdrawnOnDate

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
loanId	loanId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PostSelfLoansLoanIdRequest	<a href="#">PostSelfLoansLoanIdRequest</a>	X		

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostSelfLoansLoanIdResponse](#)

## Content Type

- application/json

## Responses

Table 605. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSelfLoansLoanIdResponse</a>

## Samples

### GET /self/loans/template

#### Operation Id

template17

Retrieve Loan Details Template

#### Description

Retrieves Loan Details Template This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Requests:

self/loans/template?templateType=individual&clientId=1  
self/loans/template?templateType=individual&clientId=1&productId=1

Parameters

Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	
productId	productId	-	null	
templateType	templateType	-	null	

Return Type

[GetSelfLoansTemplateResponse](#)

Content Type

- application/json

Responses

Table 606. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfLoansTemplateResponse</a>

Samples

SelfRunReport

GET /self/runreports/{reportName}

Operation Id

runReport1

Running A Report

Description

Example Requests: self/runreports/Client%20Details?R\_officeId=1  
self/runreports/Client%20Details?R\_officeId=1&exportCSV=true

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
reportName	reportName	X	null	

### Return Type

[\*GetRunReportResponse\*](#)

### Content Type

- application/json
- application/pdf
- application/vnd.ms-excel
- text/csv
- text/html

### Responses

Table 607. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetRunReportResponse</i></a>

### Samples

## SelfSavingsAccount

**PUT /self/savingsaccounts/{accountId}**

### Operation Id

modifySavingsAccountApplication

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId		X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 608. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /self/savingsaccounts/{accountId}/charges

#### Operation Id

retrieveAllSavingsAccountCharges1

List Savings Charges

#### Description

Lists Savings Charges Example Requests: self/savingsaccounts/1/charges  
self/savingsaccounts/1/charges?chargeStatus=inactive  
self/savingsaccounts/1/charges?fields=name,amountOrPercentage

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
chargeStatus	chargeStatus	-	all	

## Return Type

array[[GetSelfSavingsAccountsAccountIdChargesResponse](#)]

## Content Type

- application/json

## Responses

Table 609. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSelfSavingsAccountsAccountIdChargesResponse</a> ]

## Samples

**GET** /self/savingsaccounts/{accountId}

## Operation Id

retrieveSavings

Retrieve a savings account

## Description

Retrieves a savings account Example Requests : self/savingsaccounts/1  
self/savingsaccounts/1?associations=transactions

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	

## Query Parameters



Name	Description	Required	Default	Pattern
chargeStatus	chargeStatus	-	all	

#### Return Type

[\*GetSelfSavingsAccountsResponse\*](#)

#### Content Type

- application/json

#### Responses

Table 610. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetSelfSavingsAccountsResponse</i></a>

#### Samples

**GET /self/savingsaccounts/{accountId}/charges/{savingsAccountChargeId}**

#### Operation Id

retrieveSavingsAccountCharge1

Retrieve a Savings account Charge

#### Description

Retrieves a Savings account Charge Example Requests: self/savingsaccounts/1/charges/5  
self/savingsaccounts/1/charges/5?fields=name,amountOrPercentage

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	
savingsAccountChargeId	savingsAccountChargeId	X	null	

#### Return Type

[\*GetSelfSavingsAccountsAccountIdChargesSavingsAccountChargeIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 611. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfSavingsAccountsAccountIdChargesSavingsAccountChargeIdResponse</a>

## Samples

**GET /self/savingsaccounts/{accountId}/transactions/{transactionId}**

## Operation Id

retrieveSavingsTransaction

Retrieve Savings Account Transaction

## Description

Retrieves Savings Account Transaction Example Requests: self/savingsaccounts/1/transactions/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	
transactionId	transactionId	X	null	

## Return Type

[GetSelfSavingsAccountsAccountIdTransactionsTransactionIdResponse](#)

## Content Type

- application/json

## Responses

Table 612. http response codes

Code	Message	Datatype
200	OK	<i>GetSelfSavingsAccountsAccount IdTransactionsTransactionIdResponse</i>

## Samples

## POST /self/savingsaccounts

## Operation Id

submitSavingsAccountApplication

## Description

## Parameters

## Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 613. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /self/savingsaccounts/template**

**Operation Id**

template18

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
clientId		-	null	
productId		-	null	

**Return Type**

[\[String\]](#)

**Content Type**

- application/json

**Responses**

Table 614. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

**Samples**

**SelfSavingsProducts**

**GET /self/savingsproducts**

**Operation Id**

retrieveAll38

**Description**

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
clientId		-	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 615. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**GET /self/savingsproducts/{productId}**

#### Operation Id

retrieveOne27

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
clientId		-	null	

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 616. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

# SelfScoreCard

## POST /self/surveys/scorecards/{surveyId}

### Operation Id

createScorecard

### Description

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
surveyId		X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
ScorecardData	<i>ScorecardData</i>	-		

### Return Type

-

### Content Type

- application/json

## Responses

Table 617. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

**GET /self/surveys/scorecards/clients/{clientId}**

### Operation Id

findByClient

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
clientId		X	null	

### Return Type

array[[ScorecardData](#)]

### Content Type

- application/json

### Responses

*Table 618. http response codes*

Code	Message	Datatype
0	default response	List[ <a href="#">ScorecardData</a> ]

### Samples

## SelfServiceRegistration

**POST /self/registration**

### Operation Id

createSelfServiceRegistrationRequest

### Description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 619. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

### POST /self/registration/user

#### Operation Id

createSelfServiceUser

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 620. http response codes



Code	Message	Datatype
0	default response	[String]

## Samples

## SelfShareAccounts

### POST /self/shareaccounts

#### Operation Id

createAccount1

Submit new share application

#### Description

Mandatory fields: clientId, productId, submittedDate, savingsAccountId, requestedShares, applicationDate  
Optional Fields accountNo, externalId Inherited from Product (if not provided)  
minimumActivePeriod, minimumActivePeriodFrequencyType, lockinPeriodFrequency, lockinPeriodFrequencyType.

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

array[[PostNewShareApplicationResponse](#)]

#### Content Type

- application/json

#### Responses

Table 621. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">PostNewShareApplicationResponse</a> ]

Samples

GET /self/shareaccounts/{accountId}

Operation Id

retrieveShareAccount

Retrieve a share application/account

Description

Example Requests: self/shareaccounts/12

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
accountId		X	null	

Return Type

[String]

Content Type

- application/json

Responses

Table 622. http response codes

Code	Message	Datatype
0	default response	[String]

Samples

GET /self/shareaccounts/template

Operation Id

template19

Retrieve Share Account Template

**Description**

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Arguments clientId:Integer mandatory productId:Integer optionalIf entered, productId, productName and selectedProduct fields are returned. Example Requests: self/shareaccounts/template?clientId=14 self/shareaccounts/template?clientId=14&productId=3

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
clientId		-	null	
productId		-	null	

**Return Type**

array[[GetShareAccountsClientIdProductIdResponse](#)]

**Content Type**

- application/json

**Responses**

Table 623. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetShareAccountsClientIdProductIdResponse</a> ]

**Samples**

**SelfShareProducts**

**GET** /self/products/share

**Operation Id**

retrieveAllProducts1

**Description**

Parameters

Query Parameters

Name	Description	Required	Default	Pattern
clientId		-	null	
offset		-	null	
limit		-	null	

Return Type

[String]

Content Type

- application/json

Responses

Table 624. http response codes

Code	Message	Datatype
0	default response	[String]

Samples

GET /self/products/share/{productId}

Operation Id

retrieveProduct1

Description

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
productId		X	null	
type		X	null	

Query Parameters

Name	Description	Required	Default	Pattern
clientId		-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 625. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**SelfSpm**

**GET /self/surveys**

**Operation Id**

fetchAllSurveys

**Description**

**Parameters**

**Return Type**

array[SurveyData]

**Content Type**

- application/json

**Responses**

Table 626. http response codes

Code	Message	Datatype
0	default response	List[SurveyData] ]

**Samples**

## SelfThirdPartyTransfer

### POST /self/beneficiaries/tpt

#### Operation Id

add

Add TPT Beneficiary

#### Description

Api to add third party beneficiary linked to current user. Parameter Definitions name : Nick name for beneficiary, should be unique for an self service user officeName : Office Name of beneficiary(not id) accountNumber : Account Number of beneficiary(not id) transferLimit : Each transfer initiated to this account will not exceed this amount Example Requests: /self/beneficiaries/tpt Mandatory Fields: name, officeName, accountNumber, accountType Optional Fields: transferLimit

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostSelfBeneficiariesTPT Request	<a href="#">PostSelfBeneficiariesTPTRequest</a>	X		

#### Return Type

[PostSelfBeneficiariesTPTResponse](#)

#### Content Type

- application/json

#### Responses

Table 627. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSelfBeneficiariesTPTResponse</a>

#### Samples

### DELETE /self/beneficiaries/tpt/{beneficiaryId}

## Operation Id

delete20

Delete TPT Beneficiary

## Description

Api to delete third party beneficiary linked to current user. Example Requests: /self/beneficiaries/tpt/{beneficiaryId}

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
beneficiaryId		X	null	

## Return Type

[DeleteSelfBeneficiariesTPTBeneficiaryIdResponse](#)

## Content Type

- application/json

## Responses

Table 628. http response codes

Code	Message	Datatype
200	OK	<a href="#">DeleteSelfBeneficiariesTPTBeneficiaryIdResponse</a>

## Samples

### GET /self/beneficiaries/tpt

## Operation Id

retrieveAll35

Get All TPT Beneficiary

## Description

Api to get all third party beneficiary linked to current user. Example Requests: /self/beneficiaries/tpt

**Parameters**

**Return Type**

array[[GetSelfBeneficiariesTPTResponse](#)]

**Content Type**

- application/json

**Responses**

Table 629. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSelfBeneficiariesTPTResponse</a> ]

**Samples**

**GET /self/beneficiaries/tpt/template**

**Operation Id**

template16

Beneficiary Third Party Transfer Template

**Description**

Returns Account Type enumerations. Self User is expected to know office name and account number to be able to add beneficiary. Example Requests: /self/beneficiaries/tpt/template

**Parameters**

**Return Type**

[GetSelfBeneficiariesTPPTemplateResponse](#)

**Content Type**

- application/json

**Responses**

Table 630. http response codes



Code	Message	Datatype
200	OK	<a href="#">GetSelfBeneficiariesTPTTemplateResponse</a>

## Samples

**PUT /self/beneficiaries/tpt/{beneficiaryId}**

## Operation Id

update21

Update TPT Beneficiary

## Description

Api to update third party beneficiary linked to current user. Example Requests: /self/beneficiaries/tpt/{beneficiaryId} Optional Fields: name, transferLimit

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
beneficiaryId	beneficiaryId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutSelfBeneficiariesTPTBeneficiaryIdRequest	<a href="#">PutSelfBeneficiariesTPTBeneficiaryIdRequest</a>	X		

## Return Type

[PutSelfBeneficiariesTPTBeneficiaryIdResponse](#)

## Content Type

- application/json

## Responses

Table 631. http response codes

Code	Message	Datatype
200	OK	<i>PutSelfBeneficiariesTPTBeneficiaryIdResponse</i>

## Samples

## SelfUser

### PUT /self/user

#### Operation Id

update22

Update User

#### Description

This API can be used by Self Service user to update their own user information. Currently, \"password\" and \"repeatPassword\" are the only parameters accepted.

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PutSelfUserRequest	<i>PutSelfUserRequest</i>	X		

#### Return Type

*PutSelfUserResponse*

#### Content Type

- /

#### Responses

Table 632. http response codes

Code	Message	Datatype
200	OK	<i>PutSelfUserResponse</i>

## Samples

## SelfUserDetails

### GET /self/userdetails

#### Operation Id

fetchAuthenticatedUserData1

Fetch authenticated user details

#### Description

Checks the Authentication and returns the set roles and permissions allowed For more info visit this link - [fineract.apache.org/legacy-docs/apiLive.htm#selfoauth](http://fineract.apache.org/legacy-docs/apiLive.htm#selfoauth)

#### Parameters

#### Return Type

[GetSelfUserDetailsResponse](#)

#### Content Type

- application/json

#### Responses

Table 633. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSelfUserDetailsResponse</a>

#### Samples

## ShareAccount

### POST /accounts/{type}

#### Operation Id

createAccount

Submit new share application

#### Description

Submits new share application Mandatory Fields: clientId, productId, submittedDate, savingsAccountId, requestedShares, applicationDate Optional Fields: accountNo, externalId Inherited from Product (if not provided): minimumActivePeriod, minimumActivePeriodFrequencyType,

lockinPeriodFrequency, lockinPeriodFrequencyType

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

Body Parameter

Name	Description	Required	Default	Pattern
PostAccountsTypeRequest	<a href="#">PostAccountsTypeRequest</a>	X		

Return Type

[PostAccountsTypeResponse](#)

Content Type

- application/json

Responses

Table 634. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostAccountsTypeResponse</a>

Samples

GET /accounts/{type}/downloadtemplate

Operation Id

getSharedAccountsTemplate

Description

Parameters

Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

## Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

## Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 635. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples

### POST /accounts/{type}/{accountId}

#### Operation Id

handleCommands2

Approve share application | Undo approval share application | Reject share application | Activate a share account | Close a share account | Apply additional shares on a share account | Approve additional shares request on a share account | Reject additional shares request on a share account | Redeem shares on a share account

## Description

Approve share application: Approves share application so long as its in 'Submitted and pending approval' state. Undo approval share application: Will move 'approved' share application back to 'Submitted and pending approval' state. Reject share application: Rejects share application so long as its in 'Submitted and pending approval' state. Activate a share account: Results in an approved share application being converted into an 'active' share account. Close a share account: Results in an Activated share application being converted into an 'closed' share account. closedDate is closure date of share account Mandatory Fields: dateFormat,locale,closedDate Apply additional shares on a share account: requestedDate is requested date of share purchase requestedShares is number of shares to be purchase Mandatory Fields: dateFormat,locale,requestedDate, requestedShares Approve additional shares request on a share account requestedShares is Share purchase transaction ids Mandatory Fields: requestedShares Reject additional shares request on a share account: requestedShares is Share

purchase transaction ids Mandatory Fields: requestedShares Redeem shares on a share account: Results redeem some/all shares from share account. requestedDate is requested date of shares redeem requestedShares is number of shares to be redeemed Mandatory Fields: dateFormat,locale,requestDate,requestDate,requestDate,requestDate Showing request/response for 'Reject additional shares request on a share account' For more info visit this link - [fineract.apache.org/legacy-docs/apiLive.htm#shareaccounts](http://fineract.apache.org/legacy-docs/apiLive.htm#shareaccounts)

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PostAccountsTypeAccountIdRequest	<a href="#">PostAccountsTypeAccountIdRequest</a>	X		

### Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PostAccountsTypeAccountIdResponse](#)

## Content Type

- application/json

## Responses

Table 636. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostAccountsTypeAccountIdResponse</a>

## Samples

**POST /accounts/{type}/uploadtemplate**

**Operation Id**

postSharedAccountsTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
type	type	X	null	

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 637. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /accounts/{type}/{accountId}**

**Operation Id**

retrieveAccount

Retrieve a share application/account

## Description

Retrieves a share application/account Example Requests : shareaccount/1

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
accountId	accountId	X	null	
type	type	X	null	

## Return Type

[\*GetAccountsTypeAccountIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 638. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetAccountsTypeAccountIdResponse</i></a>

## Samples

**GET /accounts/{type}**

### Operation Id

retrieveAllAccounts1

List share applications/accounts

## Description

Lists share applications/accounts Example Requests: shareaccount

## Parameters

### Path Parameters



Name	Description	Required	Default	Pattern
type	type	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
offset	offset	-	null	
limit	limit	-	null	

### Return Type

[\*GetAccountsTypeResponse\*](#)

### Content Type

- application/json

### Responses

Table 639. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetAccountsTypeResponse</i></a>

### Samples

### GET /accounts/{type}/template

### Operation Id

template7

Retrieve Share Account Template

### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Requests: accounts/share/template?clientId=1  
accounts/share/template?clientId=1&productId=1

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
clientId	clientId	-	null	
productId	productId	-	null	

### Return Type

[\*GetAccountsTypeTemplateResponse\*](#)

### Content Type

- application/json

### Responses

Table 640. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetAccountsTypeTemplateResponse</i></a>

### Samples

**PUT /accounts/{type}/{accountId}**

### Operation Id

updateAccount

Modify a share application

### Description

Share application can only be modified when in 'Submitted and pending approval' state. Once the application is approved, the details cannot be changed using this method. Specific api endpoints will be created to allow change of interest detail such as rate, compounding period, posting period etc

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
type	type	X	null	
accountId	accountId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutAccountsTypeAccountIdRequest	<a href="#">PutAccountsTypeAccountIdRequest</a>	X		

### Return Type

[PutAccountsTypeAccountIdResponse](#)

### Content Type

- application/json

### Responses

Table 641. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutAccountsTypeAccountIdResponse</a>

### Samples

## SpmSurveys

### POST /surveys/{id}

#### Operation Id

activateOrDeactivateSurvey

Deactivate Survey

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
id		X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
command		-	null	

### Return Type

-

### Responses

*Table 642. http response codes*

Code	Message	Datatype
200	OK	<<>>

### Samples

### POST /surveys

### Operation Id

createSurvey

Create a Survey

### Description

Adds a new survey to collect client related data. Mandatory Fields countryCode, key, name, questions, responses, sequenceNo, text, description

### Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
SurveyData	Create survey <i>SurveyData</i>	-		

### Return Type

-

## Responses

Table 643. http response codes

Code	Message	Datatype
200	OK	<<>>

## Samples

**PUT /surveys/{id}**

**Operation Id**

editSurvey

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
id		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
SurveyData	<a href="#">SurveyData</a>	-		

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 644. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

## Samples

## GET /surveys

### Operation Id

fetchAllSurveys1

List all Surveys

### Description

### Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
isActive		-	null	

### Return Type

array[[SurveyData](#)]

### Content Type

- application/json

### Responses

*Table 645. http response codes*

Code	Message	Datatype
200	OK	List[ <a href="#">SurveyData</a> ]

### Samples

## GET /surveys/{id}

### Operation Id

findSurvey

Retrieve a Survey

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
id	Enter id	X	null	

#### Return Type

*SurveyData*

#### Content Type

- application/json

#### Responses

Table 646. http response codes

Code	Message	Datatype
200	OK	<i>SurveyData</i>

#### Samples

### Staff

#### POST /staff

#### Operation Id

create3

Create a staff member

#### Description

Creates a staff member. Mandatory Fields: officeId, firstname, lastname Optional Fields: isLoanOfficer, isActive

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostStaffRequest	<i>PostStaffRequest</i>	X		

#### Return Type

*CreateStaffResponse*

## Content Type

- application/json

## Responses

Table 647. http response codes

Code	Message	Datatype
200	OK	<a href="#">CreateStaffResponse</a>

## Samples

### GET /staff/downloadtemplate

#### Operation Id

getTemplate1

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
dateFormat		-	null	

#### Return Type

-

## Content Type

- application/vnd.ms-excel

## Responses

Table 648. http response codes

Code	Message	Datatype
0	default response	<<>>

## Samples



**POST /staff/uploadtemplate**

**Operation Id**

postTemplate

**Description**

**Parameters**

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

• /

**Responses**

Table 649. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /staff**

**Operation Id**

retrieveAll16

Retrieve Staff

**Description**

Returns the list of staff members. Example Requests: staff Retrieve a Staff by status Returns the details of a Staff based on status. By default it Returns all the ACTIVE Staff. If status=INACTIVE, then it returns all INACTIVE Staff. and for status=ALL, it Returns both ACTIVE and INACTIVE Staff. Example Requests: staff?status=active

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	
staffInOfficeHierarchy	staffInOfficeHierarchy	-	false	
loanOfficersOnly	loanOfficersOnly	-	false	
status	status	-	active	

### Return Type

array[[RetrieveOneResponse](#)]

### Content Type

- application/json

### Responses

Table 650. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">RetrieveOneResponse</a> ]

### Samples

#### GET /staff/{staffId}

#### Operation Id

retrieveOne8

Retrieve a Staff Member

### Description

Returns the details of a Staff Member. Example Requests: staff/1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
staffId	staffId	X	null	

## Return Type

[RetrieveOneResponse](#)

## Content Type

- application/json

## Responses

Table 651. http response codes

Code	Message	Datatype
200	OK	<a href="#">RetrieveOneResponse</a>

## Samples

**PUT /staff/{staffId}**

## Operation Id

update7

Update a Staff Member

## Description

Updates the details of a staff member.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
staffId	staffId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutStaffRequest	<a href="#">PutStaffRequest</a>	X		

## Return Type

[UpdateStaffResponse](#)

## Content Type

- application/json

## Responses

Table 652. http response codes

Code	Message	Datatype
200	OK	<a href="#">UpdateStaffResponse</a>

## Samples

## StandingInstructions

### POST /standinginstructions

#### Operation Id

create5

Create new Standing Instruction

#### Description

Ability to create new instruction for transfer of monetary funds from one account to another

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostStandingInstructionsRequest	<a href="#">PostStandingInstructionsRequest</a>	X		

#### Return Type

[PostStandingInstructionsResponse](#)

## Content Type

- application/json

## Responses

Table 653. http response codes

Code	Message	Datatype
200	OK	<i>PostStandingInstructionsResponse</i>

## Samples

### GET /standinginstructions

#### Operation Id

retrieveAll19

List Standing Instructions

#### Description

Example Requests: standinginstructions

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
transferType	transferType	-	null	
clientName	clientName	-	null	
clientId	clientId	-	null	
fromAccountId	fromAccountId	-	null	
fromAccountType	fromAccountType	-	null	

#### Return Type

*GetStandingInstructionsResponse*

#### Content Type

- application/json

## Responses

Table 654. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetStandingInstructionsResponse</a>

## Samples

**GET /standinginstructions/{standingInstructionId}**

### Operation Id

retrieveOne10

Retrieve Standing Instruction

### Description

Example Requests : standinginstructions/1

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
standingInstructionId	standingInstructionId	X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

### Return Type

[GetStandingInstructionsStandingInstructionIdResponse](#)

## Content Type

- application/json

## Responses

Table 655. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetStandingInstructionsStandingInstructionIdResponse</a>

## Samples

### GET /standinginstructions/template

#### Operation Id

template6

Retrieve Standing Instruction Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed Value Lists Example Requests: standinginstructions/template?fromAccountType=2&fromOfficeId=1 standinginstructions/template?fromAccountType=2&fromOfficeId=1&fromClientId=1&transferType=1 standinginstructions/template?fromClientId=1&fromAccountType=2&fromAccountId=1&transferType=1

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
fromOfficeId	fromOfficeId	-	null	
fromClientId	fromClientId	-	null	
fromAccountId	fromAccountId	-	null	
fromAccountType	fromAccountType	-	null	
toOfficeId	toOfficeId	-	null	
toClientId	toClientId	-	null	
toAccountId	toAccountId	-	null	

Name	Description	Required	Default	Pattern
toAccountType	toAccountType	-	null	
transferType	transferType	-	null	

### Return Type

[GetStandingInstructionsTemplateResponse](#)

### Content Type

- application/json

### Responses

Table 656. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetStandingInstructionsTemplateResponse</a>

### Samples

**PUT /standinginstructions/{standingInstructionId}**

### Operation Id

update9

Update Standing Instruction | Delete Standing Instruction

### Description

Ability to modify existing instruction for transfer of monetary funds from one account to another. PUT [DomainName/api/v1/standinginstructions/1?command=update](#) Ability to modify existing instruction for transfer of monetary funds from one account to another. PUT [DomainName/api/v1/standinginstructions/1?command=delete](#)

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
standingInstructionId	standingInstructionId	X	null	



## Body Parameter

Name	Description	Required	Default	Pattern
PutStandingInstructionsStandingInstructionIdRequest	<a href="#">PutStandingInstructionsStandingInstructionIdRequest</a>	-		

## Query Parameters

Name	Description	Required	Default	Pattern
command	command	-	null	

## Return Type

[PutStandingInstructionsStandingInstructionIdResponse](#)

## Content Type

- application/json

## Responses

Table 657. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutStandingInstructionsStandingInstructionIdResponse</a>

## Samples

## StandingInstructionsHistory

### GET /standinginstructionrunhistory

#### Operation Id

retrieveAll20

#### Standing Instructions Logged History

#### Description

The list capability of history can support pagination and sorting Example Requests :  
standinginstructionrunhistory      standinginstructionrunhistory?orderBy=name&sortOrder=DESC  
standinginstructionrunhistory?offset=10&limit=50

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
sqlSearch	sqlSearch	-	null	
externalId	externalId	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	
transferType	transferType	-	null	
clientName	clientName	-	null	
clientId	clientId	-	null	
fromAccountId	fromAccountId	-	null	
fromAccountType	fromAccountType	-	null	
locale	locale	-	null	
dateFormat	dateFormat	-	null	
fromDate	fromDate	-	null	
toDate	toDate	-	null	

### Return Type

[\*GetStandingInstructionRunHistoryResponse\*](#)

### Content Type

- application/json

### Responses

Table 658. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetStandingInstructionRunHistoryResponse</i></a>

### Samples

## Survey

**POST** /survey/{surveyName}/{apptableId}

### Operation Id

createDatatableEntry1

Create an entry in the survey table

### Description

Insert and entry in a survey table (full fill the survey). Refer Link for sample Body: [ [fineract.apache.org/legacy-docs/apiLive.htm#survey\\_create](http://fineract.apache.org/legacy-docs/apiLive.htm#survey_create) ]

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
surveyName	surveyName	X	null	
apptableId	apptableId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostSurveySurveyNameApptableIdRequest	<a href="#">PostSurveySurveyNameApptableIdRequest</a>	X		

### Return Type

[PostSurveySurveyNameApptableIdResponse](#)

### Content Type

- application/json

### Responses

Table 659. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostSurveySurveyNameApptableIdResponse</a>

**Samples**

**DELETE** /survey/{surveyName}/{clientId}/{fulfilledId}

**Operation Id**

deleteDatatableEntries2

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
surveyName		X	null	
clientId		X	null	
fulfilledId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 660. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET** /survey/{surveyName}/{clientId}

**Operation Id**

getClientSurveyOverview

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
surveyName		X	null	
clientId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 661. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

**GET** /survey/{surveyName}/{clientId}/{entryId}

#### Operation Id

getSurveyEntry

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
surveyName		X	null	
clientId		X	null	
entryId		X	null	

#### Return Type

[String]

#### Content Type

- application/json

## Responses

Table 662. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /survey/register/{surveyName}/{apptable}**

## Operation Id

register

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
surveyName		X	null	
apptable		X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 663. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

## GET /survey/{surveyName}

### Operation Id

retrieveSurvey

Retrieve survey

### Description

Lists a registered survey table details and the Apache Fineract Core application table they are registered to.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
surveyName	surveyName	X	null	

### Return Type

[GetSurveyResponse](#)

### Content Type

- application/json

### Responses

Table 664. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetSurveyResponse</a>

### Samples

## GET /survey

### Operation Id

retrieveSurveys

Retrieve surveys

### Description

Retrieve surveys. This allows to retrieve the list of survey tables registered .

## Parameters

## Return Type

array[[GetSurveyResponse](#)]

## Content Type

- application/json

## Responses

Table 665. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetSurveyResponse</a> ]

## Samples

## TaxComponents

### POST /taxes/component

#### Operation Id

createTaxCompoent

Create a new Tax Component

#### Description

Creates a new Tax Component Mandatory Fields: name, percentage Optional Fields: debitAccountType, debitAccountId, creditAccountType, creditAccountId, startDate

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostTaxesComponentsRequest	<a href="#">PostTaxesComponentsRequest</a>	X		

## Return Type

[PostTaxesComponentsResponse](#)



### Content Type

- application/json

### Responses

Table 666. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostTaxesComponentsResponse</a>

### Samples

#### GET /taxes/component

#### Operation Id

retrieveAllTaxComponents

List Tax Components

#### Description

List Tax Components

#### Parameters

#### Return Type

array[[GetTaxesComponentsResponse](#)]

### Content Type

- application/json

### Responses

Table 667. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetTaxesComponentsResponse</a> ]

### Samples

#### GET /taxes/component/{taxComponentId}

## Operation Id

retrieveTaxComponent

Retrieve Tax Component

## Description

Retrieve Tax Component

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
taxComponentId	taxComponentId	X	null	

## Return Type

[GetTaxesComponentsResponse](#)

## Content Type

- application/json

## Responses

Table 668. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetTaxesComponentsResponse</a>

## Samples

GET /taxes/component/template

## Operation Id

retrieveTemplate20

## Description

## Parameters

## Return Type

[String]

## Content Type

- application/json

## Responses

Table 669. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**PUT /taxes/component/{taxComponentId}**

## Operation Id

updateTaxCompoent

Update Tax Component

## Description

Updates Tax component. Debit and credit account details cannot be modified. All the future tax components would be replaced with the new percentage.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
taxComponentId	taxComponentId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutTaxesComponentsTaxComponentIdRequest	<a href="#">PutTaxesComponentsTaxComponentIdRequest</a>	X		

## Return Type

[PutTaxesComponentsTaxComponentIdResponse](#)

## Content Type

- application/json

## Responses

Table 670. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutTaxesComponentsTaxComponentIdResponse</a>

## Samples

### TaxGroup

#### POST /taxes/group

#### Operation Id

createTaxGroup

Create a new Tax Group

#### Description

Create a new Tax Group Mandatory Fields: name and taxComponents Mandatory Fields in taxComponents: taxComponentId Optional Fields in taxComponents: id, startDate and endDate

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
PostTaxesGroupRequest	<a href="#">PostTaxesGroupRequest</a>	X		

#### Return Type

[PostTaxesGroupResponse](#)

#### Content Type

- application/json

## Responses

Table 671. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostTaxesGroupResponse</a>

**Samples**

**GET /taxes/group**

**Operation Id**

retrieveAllTaxGroups

List Tax Group

**Description**

List Tax Group

**Parameters**

**Return Type**

array[[GetTaxesGroupResponse](#)]

**Content Type**

- application/json

**Responses**

Table 672. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetTaxesGroupResponse</a> ]

**Samples**

**GET /taxes/group/{taxGroupId}**

**Operation Id**

retrieveTaxGroup

Retrieve Tax Group

**Description**

Retrieve Tax Group

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
taxGroupId	taxGroupId	X	null	

#### Return Type

[GetTaxesGroupResponse](#)

#### Content Type

- application/json

#### Responses

Table 673. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetTaxesGroupResponse</a>

#### Samples

#### GET /taxes/group/template

#### Operation Id

retrieveTemplate21

#### Description

#### Parameters

#### Return Type

[\[String\]](#)

#### Content Type

- application/json

#### Responses

Table 674. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

#### Samples

**PUT /taxes/group/{taxGroupId}**

### Operation Id

updateTaxGroup

Update Tax Group

### Description

Updates Tax Group. Only end date can be up-datable and can insert new tax components.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
taxGroupId	taxGroupId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PutTaxesGroupTaxGroup pIdRequest	<a href="#">PutTaxesGroupTaxGroupIdRequest</a>	X		

### Return Type

[PutTaxesGroupTaxGroupIdResponse](#)

### Content Type

- application/json

### Responses

Table 675. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutTaxesGroup TaxGroupIdRes ponse</a>

### Samples

## TellerCashManagement

## POST /tellers/{tellerId}/cashiers/{cashierId}/allocate

### Operation Id

allocateCashToCashier

Allocate Cash To Cashier

### Description

Mandatory Fields: Date, Amount, Currency, Notes/Comments

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostTellersTellerIdCashiersCashierIdAllocateRequest	<a href="#">PostTellersTellerIdCashiersCashierIdAllocateRequest</a>	X		

#### Return Type

[PostTellersTellerIdCashiersCashierIdAllocateResponse](#)

#### Content Type

- application/json

#### Responses

Table 676. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostTellersTellerIdCashiersCashierIdAllocateResponse</a>

#### Samples



## POST /tellers/{tellerId}/cashiers

### Operation Id

createCashier

Create Cashiers

### Description

Mandatory Fields: Cashier/staff, Fromm Date, To Date, Full Day or From time and To time Optional Fields: Description/Notes

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

#### Body Parameter

Name	Description	Required	Default	Pattern
PostTellersTellerIdCashiersRequest	<a href="#">PostTellersTellerIdCashiersRequest</a>	X		

### Return Type

[PostTellersTellerIdCashiersResponse](#)

### Content Type

- application/json

### Responses

Table 677. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostTellersTellerIdCashiersResponse</a>

### Samples

## POST /tellers

## Operation Id

createTeller

Create teller

## Description

Mandatory Fields Teller name, OfficeId, Description, Start Date, Status Optional Fields End Date

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostTellersRequest	<a href="#">PostTellersRequest</a>	X		

## Return Type

[PostTellersResponse](#)

## Content Type

- application/json

## Responses

Table 678. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostTellersResponse</a>

## Samples

DELETE /tellers/{tellerId}/cashiers/{cashierId}

## Operation Id

deleteCashier

Delete Cashier

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

## Return Type

[\*DeleteTellersTellerIdCashiersCashierIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 679. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteTellersTellerIdCashiersCashierIdResponse</i></a>

## Samples

**DELETE /tellers/{tellerId}**

## Operation Id

deleteTeller

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

## Return Type

[\[String\]](#)

## Content Type

- application/json

## Responses

Table 680. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

**GET /tellers/{tellerId}/cashiers/{cashierId}**

### Operation Id

findCashierData

Retrieve a cashier

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

## Return Type

[\*GetTellersTellerIdCashiersCashierIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 681. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetTellersTellerIdCashiersCashierIdResponse</i></a>

## Samples

**GET /tellers/{tellerId}**

**Operation Id**

findTeller

Retrieve tellers

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

**Return Type**

[GetTellersResponse](#)

**Content Type**

- application/json

**Responses**

Table 682. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetTellersResponse</a>

**Samples**

**GET /tellers/{tellerId}/transactions/{transactionId}**

**Operation Id**

findTransactionData

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

Name	Description	Required	Default	Pattern
transactionId	transactionId	X	null	

#### Return Type

[\[String\]](#)

#### Content Type

- application/json

#### Responses

Table 683. http response codes

Code	Message	Datatype
0	default response	<a href="#">[String]</a>

#### Samples

#### GET /tellers/{tellerId}/cashiers

#### Operation Id

getCashierData1

List Cashiers

#### Description

#### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

#### Query Parameters

Name	Description	Required	Default	Pattern
fromdate	fromdate	-	null	
todate	todate	-	null	

#### Return Type

[GetTellersTellerIdCashiersResponse](#)

## Content Type

- application/json

## Responses

Table 684. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetTellersTellerIdCashiersResponse</a>

## Samples

**GET /tellers/{tellerId}/cashiers/template**

## Operation Id

getCashierTemplate

Find Cashiers

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

## Return Type

[GetTellersTellerIdCashiersTemplateResponse](#)

## Content Type

- application/json

## Responses

Table 685. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetTellersTellerIdCashiersTemplateResponse</a>

**Samples**

**GET /tellers/{tellerId}/cashiers/{cashierId}/transactions/template**

**Operation Id**

getCashierTxnTemplate

Retrieve Cashier Transaction Template

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

**Return Type**

*GetTellersTellerIdCashiersCashiersIdTransactionsTemplateResponse*

**Content Type**

- application/json

**Responses**

Table 686. http response codes

Code	Message	Datatype
200	OK	<i>GetTellersTellerIdCashiersCashiersIdTransactionsTemplateResponse</i>

**Samples**

**GET /tellers/{tellerId}/journals**

**Operation Id**

getJournalData

**Description**



**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

**Query Parameters**

Name	Description	Required	Default	Pattern
cashierId	cashierId	-	null	
dateRange	dateRange	-	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 687. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /tellers**

**Operation Id**

getTellerData

List all tellers

**Description**

Retrieves list tellers

**Parameters**

**Query Parameters**

Name	Description	Required	Default	Pattern
officeId	officeId	-	null	

### Return Type

array[[GetTellersResponse](#)]

### Content Type

- application/json

### Responses

*Table 688. http response codes*

Code	Message	Datatype
200	OK	List[ <a href="#">GetTellersResponse</a> ]

### Samples

### GET /tellers/{tellerId}/transactions

### Operation Id

getTransactionData

### Description

### Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
dateRange	dateRange	-	null	

### Return Type

[[String](#)]

## Content Type

- application/json

## Responses

Table 689. http response codes

Code	Message	Datatype
0	default response	[String]

## Samples

### GET /tellers/{tellerId}/cashiers/{cashierId}/transactions

#### Operation Id

getTransactionsForCashier

Retrieve Cashier Transaction

#### Description

#### Parameters

##### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

##### Query Parameters

Name	Description	Required	Default	Pattern
currencyCode	currencyCode	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

#### Return Type

array[[GetTellersTellerIdCashiersCashiersIdTransactionsResponse](#)]

## Content Type

- application/json

## Responses

Table 690. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetTellersTellerIdCashiersCashiersIdTransactionsResponse</a> ]

## Samples

### GET /tellers/{tellerId}/cashiers/{cashierId}/summaryandtransactions

#### Operation Id

getTransactionsWtihSummaryForCashier

Transactions Wtih Summary For Cashier

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

### Query Parameters

Name	Description	Required	Default	Pattern
currencyCode	currencyCode	-	null	
offset	offset	-	null	
limit	limit	-	null	
orderBy	orderBy	-	null	
sortOrder	sortOrder	-	null	

## Return Type

[\*GetTellersTellerIdCashiersCashiersIdSummaryAndTransactionsResponse\*](#)

## Content Type

- application/json

## Responses

Table 691. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetTellersTellerIdCashiersCashiersIdSummaryAndTransactionsResponse</i></a>

## Samples

**POST /tellers/{tellerId}/cashiers/{cashierId}/settle**

## Operation Id

settleCashFromCashier

Settle Cash From Cashier

## Description

Mandatory Fields Date, Amount, Currency, Notes/Comments

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PostTellersTellerIdCashiersCashierIdSettleRequest	<a href="#"><i>PostTellersTellerIdCashiersCashierIdSettleRequest</i></a>	X		

## Return Type

[\*PostTellersTellerIdCashiersCashierIdSettleResponse\*](#)

## Content Type

- application/json

## Responses

Table 692. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PostTellersTellerIdCashiersCashierIdSettleResponse</i></a>

## Samples

**PUT /tellers/{tellerId}/cashiers/{cashierId}**

## Operation Id

updateCashier

Update Cashier

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	
cashierId	cashierId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutTellersTellerIdCashiersCashierIdRequest	<a href="#"><i>PutTellersTellerIdCashiersCashierIdRequest</i></a>	X		

## Return Type

[\*PutTellersTellerIdCashiersCashierIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 693. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutTellersTellerIdCashiersCashierIdResponse</a>

## Samples

**PUT /tellers/{tellerId}**

## Operation Id

updateTeller

Update teller

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
tellerId	tellerId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutTellersRequest	<a href="#">PutTellersRequest</a>	X		

## Return Type

[PutTellersResponse](#)

## Content Type

- application/json

## Responses

Table 694. http response codes

Code	Message	Datatype
200	OK	<i>PutTellersResponse</i>

#### Samples

## TwoFactor

### GET /twofactor

#### Operation Id

getOTPDeliveryMethods

#### Description

#### Parameters

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 695. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

### POST /twofactor

#### Operation Id

requestToken

#### Description

#### Parameters

#### Query Parameters



Name	Description	Required	Default	Pattern
deliveryMethod		-	null	
extendedToken		-	false	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 696. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

#### POST /twofactor/invalidate

#### Operation Id

updateConfiguration2

#### Description

#### Parameters

#### Body Parameter

Name	Description	Required	Default	Pattern
body	[string]	-		

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 697. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

#### POST /twofactor/validate

#### Operation Id

validate

#### Description

#### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
token		-	null	

#### Return Type

[String]

#### Content Type

- application/json

#### Responses

Table 698. http response codes

Code	Message	Datatype
0	default response	[String]

#### Samples

## UserGeneratedDocuments

#### POST /templates

#### Operation Id

createTemplate

Add a UGD

## Description

Adds a new UGD. Mandatory Fields name Example Requests: templates/1

## Parameters

### Body Parameter

Name	Description	Required	Default	Pattern
PostTemplatesRequest	<i>PostTemplatesRequest</i>	X		

## Return Type

*PostTemplatesResponse*

## Content Type

- application/json

## Responses

Table 699. http response codes

Code	Message	Datatype
200	OK	<i>PostTemplatesResponse</i>

## Samples

**DELETE** /templates/{templateId}

### Operation Id

deleteTemplate

Delete a UGD

## Description

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
templateId	templateId	X	null	

**Return Type**

*DeleteTemplatesTemplateIdResponse*

**Content Type**

- application/json

**Responses**

Table 700. http response codes

Code	Message	Datatype
200	OK	<i>DeleteTemplatesTemplateIdResponse</i>

**Samples**

**GET /templates/{templateId}/template**

**Operation Id**

getTemplateByTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
templateId		X	null	

**Return Type**

[String]

**Content Type**

- application/json

**Responses**

Table 701. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**POST /templates/{templateId}**

**Operation Id**

mergeTemplate

**Description**

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
templateId		X	null	

**Body Parameter**

Name	Description	Required	Default	Pattern
body	[string]	-		

**Return Type**

[String]

**Content Type**

- text/html

**Responses**

Table 702. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /templates**

**Operation Id**

retrieveAll40

Retrieve all UGDs

## Description

Example Requests: templates It is also possible to get specific UGDs by entity and type: templates?type=0&entity=0 [Entity: Id] client: 0, loan: 1 [Type: Id] Document: 0, E-Mail (not yet): 1, SMS: 2

## Parameters

### Query Parameters

Name	Description	Required	Default	Pattern
typeId	typeId	-	-1	
entityId	entityId	-	-1	

## Return Type

[\*GetTemplatesResponse\*](#)

## Content Type

- application/json

## Responses

Table 703. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetTemplatesResponse</i></a>

## Samples

**GET /templates/{templateId}**

### Operation Id

retrieveOne28

Retrieve a UGD

## Description

Example Requests: templates/1

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
templateId	templateId	X	null	

## Return Type

[\*GetTemplatesTemplateIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 704. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetTemplatesTemplateIdResponse</i></a>

## Samples

### PUT /templates/{templateId}

## Operation Id

saveTemplate

Update a UGD

## Description

## Parameters

## Path Parameters

Name	Description	Required	Default	Pattern
templateId	templateId	X	null	

## Body Parameter

Name	Description	Required	Default	Pattern
PutTemplatesTemplateIdRequest	<a href="#"><i>PutTemplatesTemplateIdRequest</i></a>	X		

## Return Type

[\*PutTemplatesTemplateIdResponse\*](#)

## Content Type

- application/json

## Responses

Table 705. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>PutTemplatesTemplateIdResponse</i></a>

## Samples

### GET /templates/template

#### Operation Id

template20

Retrieve UGD Details Template

## Description

This is a convenience resource. It can be useful when building maintenance user interface screens for UGDs. The UGD data returned consists of any or all of: ARGUMENTS name String entity String type String text String optional mappers Mapper optional Example Request: templates/template

## Parameters

## Return Type

[\*GetTemplatesTemplateResponse\*](#)

## Content Type

- application/json

## Responses

Table 706. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>GetTemplatesTemplateResponse</i></a>



## Samples

## Users

### POST /users

#### Operation Id

create15

Create a User

#### Description

Adds new application user. Note: Password information is not required (or processed). Password details at present are auto-generated and then sent to the email account given (which is why it can take a few seconds to complete). Mandatory Fields: username, firstname, lastname, email, officeId, roles, sendPasswordToEmail Optional Fields: staffId,passwordNeverExpires,isSelfServiceUser,clients

#### Parameters

##### Body Parameter

Name	Description	Required	Default	Pattern
PostUsersRequest	<a href="#">PostUsersRequest</a>	X		

#### Return Type

[PostUsersResponse](#)

#### Content Type

- application/json

#### Responses

Table 707. http response codes

Code	Message	Datatype
200	OK	<a href="#">PostUsersResponse</a>

## Samples

### DELETE /users/{userId}

#### Operation Id

delete21

## Delete a User

### Description

Removes the user and the associated roles and permissions.

### Parameters

#### Path Parameters

Name	Description	Required	Default	Pattern
userId	userId	X	null	

### Return Type

[\*DeleteUsersUserIdResponse\*](#)

### Content Type

- application/json

### Responses

Table 708. http response codes

Code	Message	Datatype
200	OK	<a href="#"><i>DeleteUsersUserIdResponse</i></a>

### Samples

#### GET /users/downloadtemplate

### Operation Id

getUserTemplate

### Description

### Parameters

#### Query Parameters

Name	Description	Required	Default	Pattern
officeId		-	null	
staffId		-	null	
dateFormat		-	null	

**Return Type**

-

**Content Type**

- application/vnd.ms-excel

**Responses**

Table 709. http response codes

Code	Message	Datatype
0	default response	<<>>

**Samples**

**POST /users/uploadtemplate**

**Operation Id**

postUsersTemplate

**Description**

**Parameters**

**Form Parameters**

Name	Description	Required	Default	Pattern
dateFormat	[string]	-	null	
locale	[string]	-	null	
uploadedInputStream	[file]	-	null	

**Return Type**

[String]

**Content Type**

- /

**Responses**

Table 710. http response codes

Code	Message	Datatype
0	default response	[String]

**Samples**

**GET /users**

**Operation Id**

retrieveAll41

Retrieve list of users

**Description**

Example Requests: users users?fields=id,username,email,officeName

**Parameters**

**Return Type**

array[[GetUsersResponse](#)]

**Content Type**

- application/json

**Responses**

Table 711. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetUsersResponse</a> ]

**Samples**

**GET /users/{userId}**

**Operation Id**

retrieveOne29

Retrieve a User

**Description**

Example Requests: users/1 users/1?template=true users/1?fields=username,officeName

**Parameters**

**Path Parameters**

Name	Description	Required	Default	Pattern
userId	userId	X	null	

#### Return Type

[GetUsersUserIdResponse](#)

#### Content Type

- application/json

#### Responses

Table 712. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetUsersUserIdResponse</a>

#### Samples

#### GET /users/template

#### Operation Id

template22

Retrieve User Details Template

#### Description

This is a convenience resource. It can be useful when building maintenance user interface screens for client applications. The template data returned consists of any or all of: Field Defaults Allowed description Lists Example Request: users/template

#### Parameters

#### Return Type

[GetUsersTemplateResponse](#)

#### Content Type

- application/json

#### Responses

Table 713. http response codes

Code	Message	Datatype
200	OK	<a href="#">GetUsersTemplateResponse</a>

## Samples

**PUT /users/{userId}**

## Operation Id

update24

Update a User

## Description

When updating a password you must provide the repeatPassword parameter also.

## Parameters

### Path Parameters

Name	Description	Required	Default	Pattern
userId	userId	X	null	

### Body Parameter

Name	Description	Required	Default	Pattern
PutUsersUserIdRequest	<a href="#">PutUsersUserIdRequest</a>	X		

## Return Type

[PutUsersUserIdResponse](#)

## Content Type

- application/json

## Responses

Table 714. http response codes

Code	Message	Datatype
200	OK	<a href="#">PutUsersUserIdResponse</a>

**Samples**

**WorkingDays**

**GET /workingdays**

**Operation Id**

retrieveAll17

List Working days

**Description**

Example Requests: workingdays

**Parameters**

**Return Type**

array[[GetWorkingDaysResponse](#)]

**Content Type**

- application/json

**Responses**

Table 715. http response codes

Code	Message	Datatype
200	OK	List[ <a href="#">GetWorkingDaysResponse</a> ]

**Samples**

**GET /workingdays/template**

**Operation Id**

template4

Working Days Template

**Description**

This is a convenience resource. It can be useful when building maintenance user interface screens for working days. Example Request: workingdays/template

**Parameters**

**Return Type**

*GetWorkingDaysTemplateResponse*

**Content Type**

- application/json

**Responses**

Table 716. http response codes

Code	Message	Datatype
200	OK	<i>GetWorkingDaysTemplateResponse</i>

**Samples**

**PUT /workingdays**

**Operation Id**

update8

Update a Working Day

**Description**

Mandatory Fields recurrence,repaymentRescheduleType,extendTermForDailyRepayments,locale

**Parameters**

**Body Parameter**

Name	Description	Required	Default	Pattern
PutWorkingDaysRequest	<i>PutWorkingDaysRequest</i>	X		

**Return Type**

*PutWorkingDaysResponse*

**Content Type**

- application/json

**Responses**

Table 717. http response codes



Code	Message	Datatype
200	OK	<i>PutWorkingDaysResponse</i>

## Samples

# Models

## *AccountingRuleData*

Field Name	Required	Type	Description	Format
creditTags		List of <i>AccountingTagRuleData</i>		
debitTags		List of <i>AccountingTagRuleData</i>		

## *AccountingTagRuleData*

Field Name	Required	Type	Description	Format
id		Long		int64
tag		CodeValueData		
transactionType		EnumOptionData		

## *AppUser*

Field Name	Required	Type	Description	Format
accountNonExpired		Boolean		
accountNonLocked		Boolean		
appUserClientMappings		Set of <i>AppUserClientMapping</i>		
authorities		List of <i>GrantedAuthority</i>		

Field Name	Required	Type	Description	Format
credentialsNonExpired		Boolean		
deleted		Boolean		
displayName		String		
email		String		
enabled		Boolean		
firstname		String		
id		Long		int64
lastTimePasswordUpdated		Date		date-time
lastname		String		
new		Boolean		
notEnabled		Boolean		
office		Office		
password		String		
passwordNeverExpires		Boolean		
roles		Set of <i>Role</i>		
selfServiceUser		Boolean		
staff		Staff		
staffDisplayName		String		
staffId		Long		int64
systemUser		Boolean		
username		String		

### *AppUserClientMapping*

Field Name	Required	Type	Description	Format
appUser		AppUser		
client		Client		
id		Long		int64

Field Name	Required	Type	Description	Format
new		Boolean		

### *AppUserData*

Field Name	Required	Type	Description	Format
clients		Set of <i>ClientData</i>		
rowIndex		Integer		int32
selfServiceUser		Boolean		

### *BatchResponse*

Field Name	Required	Type	Description	Format
body		String		
headers		Set of <i>Header</i>		
requestId		Long		int64
statusCode		Integer		int32

### *BodyPart*

Field Name	Required	Type	Description	Format
contentDisposition		ContentDisposition		
entity		Object		
headers		Map of <i>[array]</i>		
mediaType		BodyPart_mediaType		
messageBodyWorkers		Object		
parameterizedHeaders		Map of <i>[array]</i>		
parent		MultiPart		
providers		Object		

### *BodyPartMediaType*

Field Name	Required	Type	Description	Format
parameters		Map of [string]		
subtype		String		
type		String		
wildcardSubtype		Boolean		
wildcardType		Boolean		

### *CashierData*

Field Name	Required	Type	Description	Format
description		String		
endDate		Date		date-time
endTime		String		
fullDay		Boolean		
id		Long		int64
officeId		Long		int64
officeName		String		
staffId		Long		int64
staffName		String		
startDate		Date		date-time
startTime		String		
tellerId		Long		int64
tellerName		String		

### *CashierTransactionData*

Field Name	Required	Type	Description	Format
cashierData		CashierData		
cashierId		Long		int64

Field Name	Required	Type	Description	Format
cashierName		String		
createdDate		Date		date-time
endDate		Date		date-time
entityId		Long		int64
entityType		String		
id		Long		int64
officeId		Long		int64
officeName		String		
startDate		Date		date-time
tellerId		Long		int64
tellerName		String		
txnAmount		BigDecimal		
txnDate		Date		date-time
txnNote		String		
txnType		CashierTxnType		

### *CashierTxnType*

Field Name	Required	Type	Description	Format
id		Integer		int32
value		String		

### *Changes*

Field Name	Required	Type	Description	Format
amount		String		

## Charge

Field Name	Required	Type	Description	Format
account		GLAccount		
active		Boolean		
allowedClientChargeCalculationType		Boolean		
allowedClientChargeTime		Boolean		
allowedLoanChargeTime		Boolean		
allowedSavingsChargeCalculationType		Boolean		
allowedSavingsChargeTime		Boolean		
amount		BigDecimal		
annualFee		Boolean		
chargeCalculation		Integer		int32
chargePaymentMode		Integer		int32
chargeTimeType		Integer		int32
clientCharge		Boolean		
currencyCode		String		
deleted		Boolean		
disbursementCharge		Boolean		
enableFreeWithdrawal		Boolean		
enablePaymentType		Boolean		
feeInterval		Integer		int32
feeOnMonthDay		Charge_feeOnMonthDay		
frequencyFreeWithdrawalCharge		Integer		int32

Field Name	Required	Type	Description	Format
id		Long		int64
incomeAccountId		Long		int64
loanCharge		Boolean		
maxCap		BigDecimal		
minCap		BigDecimal		
monthlyFee		Boolean		
name		String		
new		Boolean		
overdueInstallment		Boolean		
paymentType		PaymentType		
penalty		Boolean		
percentageOfApprovedAmount		Boolean		
percentageOfDisbursementAmount		Boolean		
restartFrequency		Integer		int32
restartFrequencyEnum		Integer		int32
savingsCharge		Boolean		
taxGroup		TaxGroup		

### *ChargeData*

Field Name	Required	Type	Description	Format
amount		BigDecimal		
chargeCalculationType		EnumOptionData		
chargeTimeType		EnumOptionData		
currency		CurrencyData		
id		Long		int64
name		String		

Field Name	Required	Type	Description	Format
overdueInstallmentCharge		Boolean		
penalty		Boolean		

### *ChargeFeeOnMonthDay*

Field Name	Required	Type	Description	Format
dayOfMonth		Integer		int32
month		String		Enum: JANUARY, FEBRUARY, MARCH, APRIL, MAY, JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER,
monthValue		Integer		int32

### *Client*

Field Name	Required	Type	Description	Format
accountNumberRequiresAutoGeneration		Boolean		
activationLocalDate		date		date



Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closureDate		date		date
displayName		String		
emailAddress		String		
externalId		String		
firstname		String		
groups		Set of <i>Group</i>		
id		Long		int64
image		Image		
lastname		String		
legalForm		Integer		int32
middlename		String		
mobileNo		String		
new		Boolean		
notActive		Boolean		
notPending		Boolean		
notStaff		Boolean		
office		Office		
officeJoiningLocal Date		date		date
pending		Boolean		
proposedTransferDate		Date		date-time
rejected		Boolean		
rejectedDate		date		date
reopenedDate		date		date
staff		Staff		
status		Integer		int32
submittedOnDate		date		date
transferInProgress		Boolean		

Field Name	Required	Type	Description	Format
transferInProgressOrOnHold		Boolean		
transferOnHold		Boolean		
transferToOffice		Office		
withdrawalDate		date		date
withdrawn		Boolean		

### *ClientData*

Field Name	Required	Type	Description	Format
activationDate		date		date
externalId		String		
firstname		String		
id		Long		int64
imageId		Long		int64
imagePresent		Boolean		
isAddressEnabled		Boolean		
lastname		String		
officeName		String		
rowIndex		Integer		int32
savingsAccountId		Long		int64
timeline		Object		

### *CodeValueData*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Long		int64
mandatory		Boolean		
name		String		

## CommandProcessingResult

Field Name	Required	Type	Description	Format
changes		Map of [object]		
clientId		Long		int64
creditReport		Map of [object]		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
transactionId		String		

## CommandWrapper

Field Name	Required	Type	Description	Format
cacheResource		Boolean		
clientId		Long		int64
create		Boolean		
createDatatable		Boolean		
creditBureauId		Long		int64
currencyResource		Boolean		
datatableResource		Boolean		
delete		Boolean		
deleteDatatable		Boolean		
deleteMultiple		Boolean		
deleteOneToOne		Boolean		

Field Name	Required	Type	Description	Format
deleteOperation		Boolean		
entityId		Long		int64
entityName		String		
fullFilSurvey		Boolean		
groupId		Long		int64
href		String		
json		String		
loanDisburseDetailResource		Boolean		
loanId		Long		int64
noteResource		Boolean		
organisationCreditBureauId		Long		int64
passwordPreferencesResource		Boolean		
permissionResource		Boolean		
productId		Long		int64
registerDatatable		Boolean		
registerSurvey		Boolean		
savingsId		Long		int64
subentityId		Long		int64
surveyResource		Boolean		
taskPermissionName		String		
transactionId		String		
update		Boolean		
updateDatatable		Boolean		
updateDisbursementDate		Boolean		
updateMultiple		Boolean		
updateOneToOne		Boolean		

Field Name	Required	Type	Description	Format
updateOperation		Boolean		
userResource		Boolean		
workingDaysResource		Boolean		

### *Component*

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
key		String		
new		Boolean		
sequenceNo		Integer		int32
survey		Survey		
text		String		

### *ComponentData*

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
key		String		
sequenceNo		Integer		int32
text		String		

### *ContentDisposition*

Field Name	Required	Type	Description	Format
creationDate		Date		date-time
fileName		String		

Field Name	Required	Type	Description	Format
modificationDate		Date		date-time
parameters		Map of [string]		
readDate		Date		date-time
size		Long		int64
type		String		

### *CreateStaffResponse*

PostStaffResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

### *CurrencyData*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
inMultiplesOf		Integer		int32
name		String		

### *DeleteAccountNumberFormatsResponse*

DeleteAccountNumberFormatsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteAccountingRulesResponse*

DeleteAccountingRulesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteCentersCenterIdResponse*

DeleteCentersCenterIdResponse

Field Name	Required	Type	Description	Format
changes		Object		
resourceId		Integer		int32

### *DeleteChargesChargeIdResponse*

DeleteChargesChargeIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteClientCollateralResponse*

DeleteClientCollateralResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteClientsClientIdChargesChargeIdResponse*

DeleteClientsClientIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteClientsClientIdIdentifiersIdentifierIdResponse*

DeleteClientsClientIdIdentifiersIdentifierIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteClientsClientIdResponse*

DeleteClientsClientIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteCodeValueDataResponse*

DeleteCodeValueDataResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteCodesResponse*

DeleteCodesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteCollateralProductResponse*

DeleteCollateralProductResponse



Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteDataTablesDatatableAppTableIdDatatableIdResponse*

DeleteDataTablesDatatableAppTableIdDatatableIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteDataTablesDatatableAppTableIdResponse*

DeleteDataTablesDatatableAppTableIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteDataTablesResponse*

DeleteDataTablesResponse

Field Name	Required	Type	Description	Format
resourceIdentifier		String		

### *DeleteEntityDatatableChecksTemplateResponse*

DeleteEntityDatatableChecksTemplateResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteEntityTypeEntityIdDocumentsResponse*

DeleteEntityTypeEntityIdDocumentsResponse

Field Name	Required	Type	Description	Format
changes		Object		
resourceId		Long		int64
resourceIdentifier		String		

### *DeleteFinancialActivityAccountsResponse*

DeleteFinancialActivityAccountsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteFixedDepositAccountsAccountIdResponse*

DeleteFixedDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *DeleteFixedDepositProductsProductIdResponse*

DeleteFixedDepositProductsProductIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteGLAccountsRequest*

DeleteGLAccountsRequest

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *DeleteGlclosuresResponse*

DeleteGlclosuresResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

## *DeleteGroupsGroupIdResponse*

DeleteGroupsGroupIdResponse

Field Name	Required	Type	Description	Format
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteHolidaysHolidayIdResponse*

DeleteHolidaysHolidayIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteHookResponse*

DeleteHookResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteInterestRateChartsChartIdChartSlabsResponse*

DeleteInterestRateChartsChartIdChartSlabsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteInterestRateChartsChartIdResponse*

DeleteInterestRateChartsChartIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeleteLoansLoanIdChargesChargeIdResponse*

DeleteLoansLoanIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
loanId		Long		int64
officeId		Long		int64
resourceId		Integer		int32

### *DeleteLoansLoanIdCollateralsCollateralIdResponse*

DeleteLoansLoanIdCollateralsCollateralIdResponse

Field Name	Required	Type	Description	Format
loanId		Integer		int32
resourceId		Integer		int32

### *DeleteLoansLoanIdResponse*

DeleteLoansLoanIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
loanId		Integer		int32

Field Name	Required	Type	Description	Format
officeId		Integer		int32
resourceId		Integer		int32

### *DeletePaymentTypesPaymentTypeIdResponse*

DeletePaymentTypesPaymentTypeIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *DeletePostDatedCheck*

DeletePostDatedCheck

Field Name	Required	Type	Description	Format
loanId		Long		int64
resourceId		Long		int64

### *DeleteProvisioningCriteriaResponse*

DeleteProvisioningCriteriaResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteRecurringDepositAccountsResponse*

DeleteRecurringDepositAccountsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteRecurringDepositProductsProductIdResponse*

DeleteRecurringDepositProductsProductIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *DeleteReportMailingJobsResponse*

DeleteReportMailingJobsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteReportsResponse*

DeleteReportsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteResourceTypeResourceIdNotesNoteIdResponse*

DeleteResourceTypeResourceIdNotesNoteIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *DeleteRolesRoleIdResponse*

DeleteRolesRoleIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *DeleteSavingsAccountsAccountIdResponse*

DeleteSavingsAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *DeleteSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse*

DeleteSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *DeleteSavingsProductsProductIdResponse*

DeleteSavingsProductsProductIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *DeleteSelfBeneficiariesTPTBeneficiaryIdResponse*

DeleteSelfBeneficiariesTPTBeneficiaryIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *DeleteTellersTellerIdCashiersCashierIdResponse*

DeleteTellersTellerIdCashiersCashierIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteTemplatesTemplateIdResponse*

DeleteTemplatesTemplateIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *DeleteUsersUserIdResponse*

DeleteUsersUserIdResponse

Field Name	Required	Type	Description	Format
changes		Object		
officeId		Long		int64
resourceId		Long		int64

### *Entity*

Field Name	Required	Type	Description	Format
actions		List of <a href="#">[string]</a>		
name		String		

### *EnumOptionData*

Field Name	Required	Type	Description	Format
code		String		
id		Long		int64
value		String		

### *Event*



Field Name	Required	Type	Description	Format
actionName		String		
entityName		String		

### *ExtensionData*

Field Name	Required	Type	Description	Format
key	X	String		
value		String		

### *ExternalServicesPropertiesData*

Field Name	Required	Type	Description	Format
name		String		
value		String		

### *Field*

Field Name	Required	Type	Description	Format
fieldName		String		
fieldType		String		
fieldValue		String		

### *FinancialActivityData*

Field Name	Required	Type	Description	Format
id		Integer		int32

Field Name	Required	Type	Description	Format
mappedGLAccountType		String		<i>Enum:</i> ASSET, LIABILITY, EQUITY, INCOME, EXPENSE,
name		String		

### *FloatingRate*

Field Name	Required	Type	Description	Format
active		Boolean		
baseLendingRate		Boolean		
createdBy		AppUser		
createdOn		Date		date-time
floatingRatePeriods		List of <a href="#"><i>FloatingRatePeriod</i></a>		
id		Long		int64
modifiedBy		AppUser		
modifiedOn		Date		date-time
name		String		
new		Boolean		

### *FloatingRatePeriod*

Field Name	Required	Type	Description	Format
active		Boolean		
createdBy		AppUser		
createdOn		Date		date-time

Field Name	Required	Type	Description	Format
differentialToBaseLendingRate		Boolean		
floatingRatesId		FloatingRate		
fromDate		Date		date-time
id		Long		int64
interestRate		BigDecimal		
modifiedBy		AppUser		
modifiedOn		Date		date-time
new		Boolean		

### *FormDataBodyPart*

Field Name	Required	Type	Description	Format
contentDisposition		ContentDisposition		
entity		Object		
formDataContentDisposition		FormDataContentDisposition		
headers		Map of <a href="#">[array]</a>		
mediaType		BodyPart_mediaType		
messageBodyWorkers		Object		
name		String		
parameterizedHeaders		Map of <a href="#">[array]</a>		
parent		MultiPart		
providers		Object		
simple		Boolean		
value		String		

### *FormDataContentDisposition*

Field Name	Required	Type	Description	Format
creationDate		Date		date-time
fileName		String		
modificationDate		Date		date-time
name		String		
parameters		Map of <a href="#">[string]</a>		
readDate		Date		date-time
size		Long		int64
type		String		

### *FundData*

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		

### *GLAccount*

Field Name	Required	Type	Description	Format
children		List of <a href="#">GLAccount</a>		
detailAccount		Boolean		
disabled		Boolean		
glCode		String		
headerAccount		Boolean		
id		Long		int64
manualEntriesAllowed		Boolean		
name		String		

Field Name	Required	Type	Description	Format
new		Boolean		
type		Integer		int32
usage		Integer		int32

### *GLAccountData*

Field Name	Required	Type	Description	Format
glCode		String		
id		Long		int64
name		String		
rowIndex		Integer		int32
tagId		CodeValueData		
type		EnumOptionData		
typeId		Integer		int32

### *GeoCodeData*

Field Name	Required	Type	Description	Format
latitude	X	String		
longitude	X	String		

### *GetAccountNumberFormatsIdResponse*

GetAccountNumberFormatsIdResponse

Field Name	Required	Type	Description	Format
accountType		EnumOptionData		
id		Long		int64
prefixType		EnumOptionData		

### *GetAccountNumberFormatsResponseTemplate*

GetAccountNumberFormatsResponseTemplate

Field Name	Required	Type	Description	Format
accountTypeOptions		List of <a href="#">EnumOptionData</a>		
prefixTypeOptions		Map of <a href="#">[array]</a>		

### *GetAccountOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountRulesResponse*

GetAccountRulesResponse

Field Name	Required	Type	Description	Format
allowMultipleCreditEntries		Boolean		
allowMultipleDebitEntries		Boolean		
creditTags		List of <a href="#">AccountingTagRuleData</a>		
debitTags		List of <a href="#">AccountingTagRuleData</a>		
description		String		
id		Long		int64
name		String		
officeId		Long		int64
officeName		String		
systemDefined		Boolean		

## *GetAccountRulesTemplateResponse*

GetAccountRulesTemplateResponse

Field Name	Required	Type	Description	Format
allowedAccounts		List of <a href="#">GLAccountData</a>		
allowedOffices		List of <a href="#">OfficeData</a>		
systemDefined		Boolean		

## *GetAccountTransferTemplateResponse*

GetAccountTransferTemplateResponse

Field Name	Required	Type	Description	Format
accountTypeOptions		Set of <a href="#">GetAccountOptions</a>		
fromAccountTypeOptions		Set of <a href="#">GetFromAccountOptions</a>		
toAccountTypeOptions		Set of <a href="#">GetFromAccountOptions</a>		

## *GetAccountTransfersFromAccountType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetAccountTransfersFromAccountTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetAccountTransfersFromClientOptions*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32
officeId		Integer		int32
officeName		String		

### *GetAccountTransfersFromOffice*

Field Name	Required	Type	Description	Format
externalId		Integer		int32
hierarchy		String		
id		Integer		int32
name		String		
nameDecorated		String		
openingDate		date		date

### *GetAccountTransfersFromOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetAccountTransfersPageItems*



Field Name	Required	Type	Description	Format
currency		GetAccountTransfersPageItemsCurrency		
fromAccount		GetAccountTransfersPageItemsFromAccount		
fromAccountType		GetAccountTransfersFromAccountType		
fromClient		GetAccountTransfersFromClientOptions		
fromOffice		GetAccountTransfersPageItemsFromOffice		
id		Integer		int32
reversed		Boolean		
toAccount		GetAccountTransfersPageItemsFromAccount		
toAccountType		GetAccountTransfersPageItemsToAccountType		
toClient		GetAccountTransfersFromClientOptions		
toOffice		GetAccountTransfersPageItemsFromOffice		
transferAmount		Float		float
transferDate		date		date
transferDescription		String		

*GetAccountTransfersPageItemsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetAccountTransfersPageItemsFromAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Integer		int32

### *GetAccountTransfersPageItemsFromOffice*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetAccountTransfersPageItemsToAccountType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountTransfersResponse*

GetAccountTransfersResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetAccountTransfersPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetAccountTransfersStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountTransfersTemplateRefundByTransferCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetAccountTransfersTemplateRefundByTransferFromAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amtForTransfer		Float		float
clientId		Integer		int32
clientName		String		

Field Name	Required	Type	Description	Format
currency		GetAccountTransfersTemplateRefundByTransferCurrency		
fieldOfficerId		Integer		int32
id		Integer		int32
productId		Integer		int32
productName		String		

### *GetAccountTransfersTemplateRefundByTransferFromAccountOptions*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetAccountTransfersTemplateRefundByTransferCurrency		
fieldOfficerId		Integer		int32
id		Integer		int32
productId		Integer		int32
productName		String		

### *GetAccountTransfersTemplateRefundByTransferFromClient*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
activationDate		date		date
active		Boolean		
clientClassification		Object		
clientType		Object		

Field Name	Required	Type	Description	Format
displayName		String		
firstname		String		
gender		Object		
groups		Object		
id		Integer		int32
lastname		String		
officeId		Integer		int32
officeName		String		
status		GetAccountTransfersStatus		
timeline		GetAccountTransfersTimeline		

### *GetAccountTransfersTemplateRefundByTransferFromClientOptions*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32
officeId		Integer		int32
officeName		String		

### *GetAccountTransfersTemplateRefundByTransferFromOffice*

Field Name	Required	Type	Description	Format
externalId		Integer		int32
hierarchy		String		
id		Integer		int32
name		String		
nameDecorated		String		
openingDate		date		date

## *GetAccountTransfersTemplateRefundByTransferFromOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

## *GetAccountTransfersTemplateRefundByTransferResponse*

GetAccountTransfersTemplateRefundByTransferResponse

Field Name	Required	Type	Description	Format
currency		GetAccountTransfersTemplateRefundByTransferCurrency		
fromAccount		GetAccountTransfersTemplateRefundByTransferFromAccount		
fromAccountOptions		Set of <a href="#"><i>GetAccountTransfersTemplateRefundByTransferFromAccountOptions</i></a>		
fromAccountType		GetAccountTransfersPageItemsToAccountType		
fromAccountTypeOptions		Set of <a href="#"><i>GetAccountTransfersFromAccountType</i></a>		
fromClient		GetAccountTransfersTemplateRefundByTransferFromClient		

Field Name	Required	Type	Description	Format
fromClientOptions		Set of <a href="#">GetAccountTransfersTemplateRefundByTransferFromClientOptions</a>		
fromOffice		GetAccountTransfersTemplateRefundByTransferFromOffice		
fromOfficeOptions		Set of <a href="#">GetAccountTransfersTemplateRefundByTransferFromOfficeOptions</a>		
toAccount		GetAccountTransfersTemplateRefundByTransferToAccount		
toAccountOptions		Set of <a href="#">GetAccountTransfersTemplateRefundByTransferToAccount</a>		
toAccountType		GetAccountTransfersFromAccountType		
toAccountTypeOptions		Set of <a href="#">GetAccountTransfersFromAccountType</a>		
toClient		GetAccountTransfersTemplateRefundByTransferToClient		
toClientOptions		Set of <a href="#">GetAccountTransfersTemplateRefundByTransferFromClientOptions</a>		

Field Name	Required	Type	Description	Format
toOffice		GetAccountTransfersTemplateRefundByTransferFromOffice		
toOfficeOptions		Set of <a href="#">GetAccountTransfersTemplateRefundByTransferFromOfficeOptions</a>		
transferAmount		Float		float
transferDate		date		date

### *GetAccountTransfersTemplateRefundByTransferToAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetAccountTransfersTemplateRefundByTransferCurrency		
fieldOfficerId		Integer		int32
id		Integer		int32
productId		Integer		int32
productName		String		

### *GetAccountTransfersTemplateRefundByTransferToClient*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32
officeId		Integer		int32



Field Name	Required	Type	Description	Format
officeName		String		

## *GetAccountTransfersTemplateResponse*

GetAccountTransfersTemplateResponse

Field Name	Required	Type	Description	Format
fromAccountType		GetAccountTransfersFromAccountType		
fromAccountTypeOptions		Set of <a href="#"><i>GetAccountTransfersFromAccountTypeOptions</i></a>		
fromClientOptions		Set of <a href="#"><i>GetAccountTransfersFromClientOptions</i></a>		
fromOffice		GetAccountTransfersFromOffice		
fromOfficeOptions		Set of <a href="#"><i>GetAccountTransfersFromOfficeOptions</i></a>		
toAccountTypeOptions		Set of <a href="#"><i>GetAccountTransfersToAccountTypeOptions</i></a>		
toOfficeOptions		Set of <a href="#"><i>GetAccountTransfersToOfficeOptions</i></a>		
transferAmount		Long		int64
transferDate		date		date

## *GetAccountTransfersTimeline*

Field Name	Required	Type	Description	Format
activatedByFirstname		String		
activatedByLastname		String		
activatedByUsername		String		
activatedOnDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetAccountTransfersToAccountTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountTransfersToOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetAccountsChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

### *GetAccountsChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountsCharges*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
amount		Float		float
amountOrPercentage		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountPercentageAppliedTo		Double		double
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetAccountsChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetAccountsChargeTimeType		
currency		GetAccountsChargesCurrency		
id		Integer		int32

Field Name	Required	Type	Description	Format
isActive		Boolean		
name		String		
percentage		Double		double

### *GetAccountsChargesCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetAccountsLinkedToPocketResponse*

GetAccountsLinkedToPocketResponse

Field Name	Required	Type	Description	Format
loanAccounts		Set of <a href="#">GetPocketLoanAccounts</a>		
savingAccounts		Set of <a href="#">GetPocketSavingAccounts</a>		
shareAccounts		Set of [object]		

### *GetAccountsLockPeriodTypeEnum*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountsPageItems*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetAccountsChargeCurrency		
id		Integer		int32
productId		Integer		int32
productName		String		
purchasedShares		Set of <a href="#">GetAccountsTypePurchasedShares</a>		
status		GetAccountsTypeStatus		
summary		GetAccountsTypeSummary		

Field Name	Required	Type	Description	Format
timeline		GetAccountsTypeTimeline		

### *GetAccountsPurchasedShares*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
amount		Double		double
amountPaid		Double		double
chargeAmount		Double		double
id		Integer		int32
numberOfShares		Integer		int32
purchasedDate		date		date
purchasedPrice		Double		double
status		GetAccountsPurchasedSharesStatus		
type		GetAccountsPurchasedSharesType		

### *GetAccountsPurchasedSharesStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountsPurchasedSharesType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		

### *GetAccountsSummary*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
currency		GetAccountsCurrency		
id		Integer		int32
productId		Integer		int32
productName		String		
status		GetAccountsStatus		
timeline		GetAccountsTimeline		
totalApprovedShares		Integer		int32
totalPendingForApprovalShares		Integer		int32

### *GetAccountsTimeline*

Field Name	Required	Type	Description	Format
activatedDate		date		date

Field Name	Required	Type	Description	Format
approvedByFirstname		String		
approvedByLastname		String		
approvedByUsername		String		
approvedDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetAccountsTypeAccountIdResponse*

GetAccountsTypeAccountIdResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
allowDividendCalculationForInactiveClients		Boolean		
charges		Set of <a href="#">GetAccountsCharges</a>		
clientId		Integer		int32
clientName		String		
currency		GetAccountsCurrency		
currentMarketPrice		Integer		int32
dividends		List of <a href="#">string</a>		



Field Name	Required	Type	Description	Format
id		Integer		int32
lockPeriodTypeEnum		GetAccountsLockPeriodTypeEnum		
lockinPeriod		Integer		int32
minimumActivePeriod		Integer		int32
minimumActivePeriodTypeEnum		GetAccountsLockPeriodTypeEnum		
productId		Integer		int32
productName		String		
purchasedShares		Set of <a href="#">GetAccountsPurchasedShares</a>		
savingsAccountId		Integer		int32
savingsAccountNumber		Long		int64
status		GetAccountsStatus		
summary		GetAccountsSummary		
timeline		GetAccountsTimeline		

### *GetAccountsTypeProductOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
shortName		String		
totalShares		Long		int64

### *GetAccountsTypePurchasedShares*

Field Name	Required	Type	Description	Format
id		Integer		int32
numberOfShares		Integer		int32
purchasedDate		String		
purchasedPrice		Integer		int32

### *GetAccountsTypeResponse*

GetAccountsTypeResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetAccountsPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetAccountsTypeStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		

### *GetAccountsTypeSummary*

Field Name	Required	Type	Description	Format
currency		GetAccountsChargesCurrency		

### *GetAccountsTypeTemplateResponse*

GetAccountsTypeTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
productOptions		Set of <a href="#">GetAccountsTypeProductOptions</a>		

### *GetAccountsTypeTimeline*

Field Name	Required	Type	Description	Format
submittedOnDate		date		date

### *GetAssetType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetCachesResponse*

GetCachesResponse

Field Name	Required	Type	Description	Format
cacheType		EnumOptionData		
enabled		Boolean		

### *GetCentersAccountType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetCentersCenterIdAccountsResponse*

GetCentersCenterIdAccountsResponse

Field Name	Required	Type	Description	Format
savingsAccounts		Set of <a href="#">GetCentersSavingsAccounts</a>		

### *GetCentersCenterIdCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetCentersCenterIdResponse*

GetCentersCenterIdResponse

Field Name	Required	Type	Description	Format
active		Boolean		
hierarchy		String		
id		Integer		int32

Field Name	Required	Type	Description	Format
name		String		
officeId		Integer		int32
officeName		String		
status		GetCentersStatus		

### *GetCentersCenterIdStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
prematureClosed		Boolean		
rejected		Boolean		
submittedAndPendingApproval		Boolean		
transferInProgress		Boolean		
transferOnHold		Boolean		
withdrawnByApplicant		Boolean		

### *GetCentersDepositType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetCentersOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetCentersPageItems*

Field Name	Required	Type	Description	Format
active		Boolean		
hierarchy		String		
id		Integer		int32
name		String		
officeId		Integer		int32
officeName		String		
status		GetCentersStatus		

### *GetCentersResponse*

#### GetCentersResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#"><i>GetCentersPageItems</i></a>		
totalFilteredRecords		Integer		int32

### *GetCentersSavingsAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64

Field Name	Required	Type	Description	Format
accountType		GetCentersAccountType		
currency		GetCentersCenterIdCurrency		
depositType		GetCentersDepositType		
id		Integer		int32
productId		Integer		int32
productName		String		
status		GetCentersCenterIdStatus		
timeline		GetCentersTimeline		

### *GetCentersStaffOptions*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32

### *GetCentersStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetCentersTemplateResponse*

GetCentersTemplateResponse

Field Name	Required	Type	Description	Format
activationDate		date		date

Field Name	Required	Type	Description	Format
active		Boolean		
officeId		Integer		int32
officeOptions		Set of <a href="#">GetCentersOfficeOptions</a>		
staffOptions		Set of <a href="#">GetCentersStaffOptions</a>		

### *GetCentersTimeline*

Field Name	Required	Type	Description	Format
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetChargeAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32



### *GetChargePaymentMode*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesAppliesToResponse*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesCalculationTypeResponse*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetChargesChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetChargesCurrencyResponse*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32

Field Name	Required	Type	Description	Format
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetChargesPaymentModeResponse*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesResponse*

GetChargesResponse

Field Name	Required	Type	Description	Format
active		String		
amount		Float		float
chargeAppliesTo		GetChargesAppliesToResponse		
chargeCalculationType		GetChargesCalculationTypeResponse		
chargePaymentMode		GetChargesPaymentModeResponse		
chargeTimeType		GetChargesTimeTypeResponse		
currency		GetChargesCurrencyResponse		
id		Long		int64
name		String		
penalty		String		

### *GetChargesTemplateFeeFrequencyOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesTemplateLoanChargeCalculationTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesTemplateLoanChargeTimeTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetChargesTemplateResponse*

GetChargesTemplateResponse

Field Name	Required	Type	Description	Format
active		String		
chargeAppliesToOptions		Set of <a href="#">GetChargesAppliesToResponse</a>		
chargeCalculationTypeOptions		Set of <a href="#">GetChargesCalculationTypeResponse</a>		

Field Name	Required	Type	Description	Format
chargePaymentModeOptions		Set of <a href="#">GetChargesPaymentModeResponse</a>		
chargeTimeTypeOptions		Set of <a href="#">GetChargesTimeTypeResponse</a>		
currencyOptions		Set of <a href="#">GetChargesCurrencyResponse</a>		
feeFrequencyOptions		Set of <a href="#">GetChargesTemplateFeeFrequencyOptions</a>		
loanChargeCalculationTypeOptions		Set of <a href="#">GetChargesTemplateLoanChargeCalculationTypeOptions</a>		
loanChargeTimeTypeOptions		Set of <a href="#">GetChargesTemplateLoanChargeTimeTypeOptions</a>		
penalty		String		
savingsChargeCalculationTypeOptions		Set of <a href="#">GetChargesTemplateLoanChargeCalculationTypeOptions</a>		
savingsChargeTimeTypeOptions		Set of <a href="#">GetChargesTemplateLoanChargeTimeTypeOptions</a>		

### *GetChargesTimeTypeResponse*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetClientChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientChargeCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetClientChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientClientIdAddressesResponse*

GetClientClientIdAddressesResponse

Field Name	Required	Type	Description	Format
addressId		Integer		int32

Field Name	Required	Type	Description	Format
addressLine1		String		
addressLine2		String		
addressLine3		String		
addressType		String		
addressTypeId		Integer		int32
city		String		
client_id		Long		int64
countryId		Integer		int32
countryName		String		
countyDistrict		String		
createdBy		String		
isActive		Boolean		
postalCode		Long		int64
stateName		String		
stateProvinceId		Integer		int32
street		String		
townVillage		String		
updatedBy		String		

### *GetClientIdProductIdAccountingMappings*

Field Name	Required	Type	Description	Format
ShareEquityId		GetShareAccountsShareEquityId		
incomeFromFeeAccountId		GetShareAccountsIncomeFromFeeAccountId		
shareReferenceId		GetShareAccountsShareReferenceId		
shareSuspenseId		GetShareAccountsShareSuspenseId		

### *GetClientIdProductIdChargeOptions*

Field Name	Required	Type	Description	Format
chargeOptions		GetShareAccountsChargeOptions		

### *GetClientIdProductIdLockinPeriodFrequencyTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		Integer		int32
id		Integer		int32

### *GetClientIdProductIdMinimumActivePeriodFrequencyTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		Integer		int32
id		Integer		int32

### *GetClientIdProductIdProductOptions*

Field Name	Required	Type	Description	Format
accountingMappingOptions		Object		
accountingMappings		GetClientIdProductIdAccountingMappings		
accountingRule		GetShareAccountsClientIdProductIdAccountingRule		
allowDividendCalculationForInactiveClients		Boolean		



Field Name	Required	Type	Description	Format
chargeOptions		GetShareAccountsChargeOptions		
charges		String		
currency		GetShareAccountsCurrency		
currencyOptions		GetShareAccountsCurrency		
description		String		
id		Integer		int32
lockinPeriod		Integer		int32
lockinPeriodEnum		GetShareAccountsClientIdProductIdLockPeriodTypeEnum		
lockinPeriodFrequencyTypeOptions		GetClientIdProductIdLockinPeriodFrequencyTypeOptions		
marketPrice		String		
maximumShares		Integer		int32
minimumActivePeriod		Integer		int32
minimumActivePeriodForDividendsTypeEnum		GetShareAccountsClientIdProductIdMinimumActivePeriodForDividendsTypeEnum		
minimumActivePeriodFrequencyTypeOptions		GetClientIdProductIdMinimumActivePeriodFrequencyTypeOptions		
minimumShares		Integer		int32
name		String		
nominalShares		Integer		int32
shareCapital		Integer		int32

Field Name	Required	Type	Description	Format
shortName		String		
totalShares		Integer		int32
totalSharesIssued		Integer		int32
unitPrice		Integer		int32

### *GetClientStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientTransactionsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetClientsAllowedDocumentTypes*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
position		Integer		int32

### *GetClientsChargesPageItems*

Field Name	Required	Type	Description	Format
amount		BigDecimal		
amountOutstanding		BigDecimal		
amountPaid		BigDecimal		
amountWaived		BigDecimal		
amountWrittenOff		BigDecimal		
chargeCalculationType		GetClientChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetClientChargeTimeType		
clientId		Integer		int32
currency		GetClientChargeCurrency		
dueDate		date		date
id		Integer		int32
isActive		Boolean		
isPaid		Boolean		
isWaived		Boolean		
name		String		
penalty		Boolean		

## *GetClientsClientIdAccountsResponse*

GetClientsClientIdAccountsResponse

Field Name	Required	Type	Description	Format
loanAccounts		Set of <a href="#">GetClientsLoanAccounts</a>		
savingsAccounts		Set of <a href="#">GetClientsSavingsAccounts</a>		

## *GetClientsClientIdChargesResponse*

GetClientsClientIdChargesResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetClientsChargesPageItems</a>		
totalFilteredRecords		Integer		int32

## *GetClientsClientIdIdentifiersResponse*

GetClientsClientIdIdentifiersResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
description		String		
documentKey		String		
documentType		GetClientsDocumentType		
id		Integer		int32

## *GetClientsClientIdIdentifiersTemplateResponse*

GetClientsClientIdIdentifiersTemplateResponse

Field Name	Required	Type	Description	Format
allowedDocumentTypes		Set of <a href="#">GetClientsAllowedDocumentTypes</a>		

## *GetClientsClientIdResponse*

GetClientsClientIdResponse

Field Name	Required	Type	Description	Format
accountNo		String		
activationDate		date		date
active		Boolean		
displayName		String		
firstname		String		
groups		List of <a href="#">GetClientsGroups</a>		
id		Integer		int32
lastname		String		
officeId		Integer		int32
officeName		String		
savingsProductId		Integer		int32
savingsProductName		String		
status		GetClientsClientIdStatus		
timeline		GetClientsTimeline		

### *GetClientsClientIdStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientsClientIdTransactionsResponse*

GetClientsClientIdTransactionsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetClientsPageItems</a>		

Field Name	Required	Type	Description	Format
totalFilteredRecords		Integer		int32

### *GetClientsClientIdTransactionsTransactionIdResponse*

GetClientsClientIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
amount		BigDecimal		
currency		GetClientTransactionsCurrency		
date		date		date
id		Integer		int32
officeId		Integer		int32
officeName		String		
reversed		Boolean		
submittedOnDate		date		date
type		GetClientsClientIdTransactionsType		

### *GetClientsClientIdTransactionsType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientsColumnHeaderData*

Field Name	Required	Type	Description	Format
columnDisplayType		String		
columnLength		Integer		int32

Field Name	Required	Type	Description	Format
columnName		String		
columnType		String		
columnValues		List of <a href="#">[string]</a>		
isColumnNullable		Boolean		
isColumnPrimaryKey		Boolean		

### *GetClientsDataTables*

Field Name	Required	Type	Description	Format
applicationTableName		String		
columnHeaderData		Set of <a href="#">GetClientsColumnHeaderData</a>		
registeredTableName		String		

### *GetClientsDocumentType*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetClientsGroups*

Field Name	Required	Type	Description	Format
accountNo		String		
externalId		Long		int64
id		Long		int64
name		String		

### *GetClientsLoanAccounts*

Field Name	Required	Type	Description	Format
accountNo		String		
externalId		Integer		int32
id		Integer		int32
loanCycle		Integer		int32
loanType		GetClientsLoanAccountsType		
productId		Integer		int32
productName		String		
status		GetClientsLoanAccountsStatus		

### *GetClientsLoanAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		
waitingForDisbursal		Boolean		

### *GetClientsLoanAccountsType*



Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetClientsOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetClientsPageItems*

Field Name	Required	Type	Description	Format
amount		Double		double
currency		GetClientTransactionsCurrency		
date		date		date
id		Integer		int32
officeId		Integer		int32
officeName		String		
reversed		Boolean		
submittedOnDate		date		date
type		GetClientsClientIdTransactionsType		

### *GetClientsPageItemsResponse*

Field Name	Required	Type	Description	Format
accountNo		String		
active		Boolean		

Field Name	Required	Type	Description	Format
displayName		String		
fullname		String		
id		Long		int64
officeId		Integer		int32
officeName		String		
status		GetClientStatus		

### *GetClientsResponse*

GetClientsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetClientsPageItemsResponse</a>		
totalFilteredRecords		Integer		int32

### *GetClientsSavingProductOptions*

Field Name	Required	Type	Description	Format
allowOverdraft		Boolean		
id		Integer		int32
name		String		
withdrawalFeeForTransfers		Boolean		

### *GetClientsSavingsAccounts*

Field Name	Required	Type	Description	Format
accountNo		String		
currency		GetClientsSavingsAccountsCurrency		

Field Name	Required	Type	Description	Format
depositType		GetClientsSavingsAccountsDepositType		
id		Integer		int32
productId		Integer		int32
productName		String		
shortProductName		String		
status		GetClientsSavingsAccountsStatus		

### *GetClientsSavingsAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetClientsSavingsAccountsDepositType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetClientsSavingsAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		

Field Name	Required	Type	Description	Format
closed		Boolean		
code		String		
id		Integer		int32
matured		Boolean		
prematureClosed		Boolean		
rejected		Boolean		
submittedAndPendingApproval		Boolean		
transferInProgress		Boolean		
transferOnHold		Boolean		
value		String		
withdrawnByApplicant		Boolean		

### *GetClientsStaffOptions*

Field Name	Required	Type	Description	Format
displayName		String		
firstname		String		
id		Integer		int32
isActive		Boolean		
isLoanOfficer		Boolean		
lastname		String		
officeId		Integer		int32
officeName		String		

### *GetClientsTemplateResponse*

GetClientsTemplateResponse

Field Name	Required	Type	Description	Format
activationDate		date		date

Field Name	Required	Type	Description	Format
datatables		Set of <a href="#">GetClientsDataTables</a>		
officeId		Integer		int32
officeOptions		Set of <a href="#">GetClientsOfficeOptions</a>		
savingProductOptions		Set of <a href="#">GetClientsSavingProductOptions</a>		
staffOptions		Set of <a href="#">GetClientsStaffOptions</a>		

### *GetClientsTimeline*

Field Name	Required	Type	Description	Format
activatedByFirstname		String		
activatedByLastname		String		
activatedByUsername		String		
activatedOnDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetCodeValuesDataResponse*

GetCodeValuesDataResponse

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
name		String		
position		Integer		int32

### *GetCodesResponse*

GetCodesResponse

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		
systemDefined		Boolean		

### *GetCollateralCurrencyResponse*

Field Name	Required	Type	Description	Format
code		String		

### *GetCollateralManagementsResponse*

GetCollateralManagementsResponse

Field Name	Required	Type	Description	Format
basePrice		BigDecimal		
currency		GetCollateralCurrencyResponse		
id		Long		int64
name		String		
pctToBase		BigDecimal		
unitType		String		

## *GetCollateralProductTemplate*

GetCollateralProductTemplate

Field Name	Required	Type	Description	Format
currency		GetCurrencyData		

## *GetCollateralTypeResponse*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

## *GetCollateralsTemplateAllowedTypes*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
position		Integer		int32

## *GetCurrenciesResponse*

GetCurrenciesResponse

Field Name	Required	Type	Description	Format
currencyOptions		List of <a href="#">CurrencyData</a>		
selectedCurrencyOptions		List of <a href="#">CurrencyData</a>		

## *GetCurrencyData*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32

Field Name	Required	Type	Description	Format
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

## *GetDataTablesResponse*

GetDataTablesResponse

Field Name	Required	Type	Description	Format
applicationTableName		String		
columnHeaderData		List of <a href="#">ResultSetColumnHeaderData</a>		
registeredTableName		String		

## *GetEntityDatatableChecksResponse*

GetEntityDatatableChecksResponse

Field Name	Required	Type	Description	Format
datatableName		String		
entity		String		
id		Long		int64
order		Long		int64
productId		Long		int64
productName		String		
status		EnumOptionData		
systemDefined		Boolean		



## GetEntityDatatableChecksTemplateResponse

GetEntityDatatableChecksTemplateResponse

Field Name	Required	Type	Description	Format
datatables		List of <a href="#">[object]</a>		
entities		List of <a href="#">[string]</a>		
loanProductDatas		List of <a href="#">LoanProductData</a>		
savingsProductDatas		List of <a href="#">SavingsProductData</a>		
statusClient		List of <a href="#">[object]</a>		
statusGroup		List of <a href="#">[object]</a>		
statusLoans		List of <a href="#">[object]</a>		
statusSavings		List of <a href="#">[object]</a>		

## GetEntityTypeEntityIdDocumentsResponse

GetEntityTypeEntityIdDocumentsResponse

Field Name	Required	Type	Description	Format
description		String		
fileName		String		
id		Long		int64
location		String		
name		String		
parentEntityId		Long		int64
parentEntityType		String		
size		Long		int64
storageType		Integer		int32
type		String		

## GetEquityType

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFieldConfigurationEntityResponse*

GetFieldConfigurationEntityResponse

Field Name	Required	Type	Description	Format
entity		String		
field		String		
fieldConfigurationId		Integer		int32
is_enabled		String		
is_mandatory		String		
subentity		String		
validation_regex		String		

### *GetFinancialActivityAccountsResponse*

GetFinancialActivityAccountsResponse

Field Name	Required	Type	Description	Format
financialActivityData		FinancialActivityData		
glAccountData		GLAccountData		
id		Long		int64

### *GetFixedDepositAccountsAccountChart*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNumber		Long		int64

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#">GetFixedDepositAccountsChartSlabs</a>		
fromDate		date		date
id		Integer		int32
periodTypes		Set of <a href="#">GetFixedDepositAccountsPeriodTypes</a>		

### *GetFixedDepositAccountsAccountChartCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetFixedDepositAccountsAccountIdCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetFixedDepositAccountsAccountIdResponse*

GetFixedDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
accountChart		GetFixedDepositAccountsAccountChart		
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetFixedDepositAccountsAccountIdCurrency		
depositAmount		Float		float
depositPeriod		Integer		int32
depositPeriodFrequency		GetFixedDepositAccountsDepositPeriodFrequency		
externalId		String		
fieldOfficerId		Integer		int32
id		Integer		int32
interestCalculationDaysInYearType		GetFixedDepositAccountsInterestCalculationDaysInYearType		
interestCalculationType		GetFixedDepositAccountsInterestCalculationType		
interestCompoundingPeriodType		GetFixedDepositAccountsInterestCompoundingPeriodType		
interestFreePeriodApplicable		Boolean		
interestPostingPeriodType		GetFixedDepositAccountsInterestPostingPeriodType		
maturityAmount		Float		float
maturityDate		date		date

Field Name	Required	Type	Description	Format
maxDepositTerm		Integer		int32
maxDepositTermType		GetFixedDepositAccountsMaxDepositTermType		
minDepositTerm		Integer		int32
minDepositTermType		GetFixedDepositAccountsMinDepositTermType		
preClosurePenalApplicable		Boolean		
savingsProductId		Integer		int32
savingsProductName		String		
status		GetFixedDepositAccountsStatus		
summary		GetFixedDepositAccountsAccountIdSummary		
timeline		GetFixedDepositAccountsTimeline		

### *GetFixedDepositAccountsAccountIdSummary*

Field Name	Required	Type	Description	Format
accountBalance		Float		float
currency		GetFixedDepositAccountsAccountIdCurrency		

### *GetFixedDepositAccountsChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double

Field Name	Required	Type	Description	Format
currency		GetFixedDepositAccountsAccountChartCurrency		
fromPeriod		Integer		int32
id		Integer		int32
periodType		GetFixedDepositAccountsPeriodType		
toPeriod		Integer		int32

### *GetFixedDepositAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetFixedDepositAccountsDepositPeriodFrequency*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetFixedDepositAccountsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsPeriodTypes*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositAccountsProductOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetFixedDepositAccountsResponse*

GetFixedDepositAccountsResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64



Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
currency		GetFixedDepositAccountsCurrency		
depositAmount		Float		float
depositPeriod		Integer		int32
depositPeriodFrequency		GetFixedDepositAccountsDepositPeriodFrequency		
fieldOfficerId		Integer		int32
id		Integer		int32
interestCalculationDaysInYearType		GetFixedDepositAccountsInterestCalculationDaysInYearType		
interestCalculationType		GetFixedDepositAccountsInterestCalculationType		
interestCompoundingPeriodType		GetFixedDepositAccountsInterestCompoundingPeriodType		
interestFreePeriodApplicable		Boolean		
interestPostingPeriodType		GetFixedDepositAccountsInterestPostingPeriodType		
maturityAmount		Float		float
maturityDate		date		date
maxDepositTerm		Integer		int32
maxDepositTermType		GetFixedDepositAccountsMaxDepositTermType		
minDepositTerm		Integer		int32

Field Name	Required	Type	Description	Format
minDepositTermType		GetFixedDepositAccountsMinDepositTermType		
preClosurePenalApplicable		Boolean		
savingsProductId		Integer		int32
savingsProductName		String		
status		GetFixedDepositAccountsStatus		
summary		GetFixedDepositAccountsSummary		
timeline		GetFixedDepositAccountsTimeline		

### *GetFixedDepositAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
prematureClosed		Boolean		
rejected		Boolean		
submittedAndPendingApproval		Boolean		
transferInProgress		Boolean		
transferOnHold		Boolean		
withdrawnByApplicant		Boolean		

### *GetFixedDepositAccountsSummary*

Field Name	Required	Type	Description	Format
accountBalance		Float		float
currency		GetFixedDepositAccountsCurrency		

### *GetFixedDepositAccountsTemplateResponse*

GetFixedDepositAccountsTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
productOptions		Set of <a href="#">GetFixedDepositAccountsProductOptions</a>		

### *GetFixedDepositAccountsTimeline*

Field Name	Required	Type	Description	Format
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetFixedDepositProductsAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetFixedDepositProductsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetFixedDepositProductsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

### *GetFixedDepositProductsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsProductIdAccountingMappings*

Field Name	Required	Type	Description	Format
incomeFromFeeAccount		GetFixedDepositProductsProductIdIncomeFromFeeAccount		

Field Name	Required	Type	Description	Format
incomeFromPenaltyAccount		GetFixedDepositProductsProductIdIncomeFromPenaltyAccount		
interestOnSavingsAccount		GetFixedDepositProductsProductIdInterestOnSavingsAccount		
savingsControlAccount		GetFixedDepositProductsProductIdSavingsControlAccount		
savingsReferenceAccount		GetFixedDepositProductsProductIdSavingsReferenceAccount		
transfersInSuspenseAccount		GetFixedDepositProductsProductIdTransfersInSuspenseAccount		

### *GetFixedDepositProductsProductIdActiveChart*

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#"><i>GetFixedDepositProductsProductIdChartSlabs</i></a>		
fromDate		date		date
id		Integer		int32
periodTypes		Set of <a href="#"><i>GetFixedDepositProductsProductIdPeriodType</i></a>		
savingsProductId		Integer		int32
savingsProductName		String		

### *GetFixedDepositProductsProductIdChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
currency		GetFixedDepositProductsProductIdCurrency		
description		String		
fromPeriod		Integer		int32
id		Integer		int32
periodType		GetFixedDepositProductsProductIdPeriodType		
toPeriod		Integer		int32

### *GetFixedDepositProductsProductIdCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetFixedDepositProductsProductIdFeeToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetFixedDepositProductsProductIdFeeToIncomeAccountMappingsCharge		

Field Name	Required	Type	Description	Format
incomeAccount		GetFixedDepositProductsProductIdFeeToIncomeAccountMappingsIncomeAccount		

### *GetFixedDepositProductsProductIdFeeToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetFixedDepositProductsProductIdFeeToIncomeAccountMappingsIncomeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetFixedDepositProductsProductIdIncomeFromFeeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetFixedDepositProductsProductIdIncomeFromPenaltyAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32



Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetFixedDepositProductsProductIdInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsProductIdInterestOnSavingsAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetFixedDepositProductsProductIdMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsProductIdMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsProductIdPenaltyToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetFixedDepositProductsProductIdPenaltyToIncomeAccountMappingsCharge		
incomeAccount		GetFixedDepositProductsProductIdIncomeFromPenaltyAccount		

### *GetFixedDepositProductsProductIdPenaltyToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetFixedDepositProductsProductIdPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetFixedDepositProductsProductIdPreClosurePenalInterestOnType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## GetFixedDepositProductsProductIdResponse

GetFixedDepositProductsProductIdResponse

Field Name	Required	Type	Description	Format
accountingMappings		GetFixedDepositProductsProductIdAccountingMappings		
activeChart		GetFixedDepositProductsProductIdActiveChart		
currency		GetFixedDepositProductsProductIdCurrency		
description		String		
feeToIncomeAccountMappings		Set of <a href="#">GetFixedDepositProductsProductIdFeeToIncomeAccountMappings</a>		
id		Integer		int32
interestCalculationDaysInYearType		GetFixedDepositProductsInterestCalculationDaysInYearType		
interestCalculationType		GetFixedDepositProductsInterestCalculationType		
interestCompoundingPeriodType		GetFixedDepositProductsProductIdInterestCompoundingPeriodType		
interestPostingPeriodType		GetFixedDepositProductsInterestPostingPeriodType		
maxDepositTerm		Integer		int32
maxDepositTermType		GetFixedDepositProductsProductIdMaxDepositTermType		

Field Name	Required	Type	Description	Format
minDepositTerm		Integer		int32
minDepositTermType		GetFixedDepositProductsProductIdMinDepositTermType		
name		String		
penaltyToIncomeAccountMappings		Set of <a href="#">GetFixedDepositProductsProductIdPenaltyToIncomeAccountMappings</a>		
preClosurePenalApplicable		Boolean		
preClosurePenalInterest		Double		double
preClosurePenalInterestOnType		GetFixedDepositProductsProductIdPreClosurePenalInterestOnType		
shortName		String		

### *GetFixedDepositProductsProductIdSavingsControlAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetFixedDepositProductsProductIdSavingsReferenceAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

## *GetFixedDepositProductsProductIdTransfersInSuspenseAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

## *GetFixedDepositProductsResponse*

GetFixedDepositProductsResponse

Field Name	Required	Type	Description	Format
accountingRule		GetFixedDepositProductsAccountingRule		
currency		GetFixedDepositProductsCurrency		
description		String		
id		Integer		int32
interestCalculationDaysInYearType		GetFixedDepositProductsInterestCalculationDaysInYearType		
interestCalculationType		GetFixedDepositProductsInterestCalculationType		
interestCompoundingPeriodType		GetFixedDepositProductsInterestCompoundingPeriodType		
interestPostingPeriodType		GetFixedDepositProductsInterestPostingPeriodType		
maxDepositTerm		Integer		int32
maxDepositTermType		GetFixedDepositProductsMaxDepositTermType		

Field Name	Required	Type	Description	Format
minDepositTerm		Integer		int32
minDepositTermType		GetFixedDepositProductsMinDepositTermType		
name		String		
nominalAnnualInterestRate		Double		double
preClosurePenalApplicable		Boolean		
shortName		String		

### *GetFloatingRatesFloatingRateIdResponse*

GetFloatingRatesFloatingRateIdResponse

Field Name	Required	Type	Description	Format
createdBy		String		
createdOn		String		
id		Integer		int32
isActive		Boolean		
isBaseLendingRate		Boolean		
modifiedBy		String		
modifiedOn		String		
name		String		
ratePeriods		Set of <a href="#">GetFloatingRatesRatePeriods</a>		

### *GetFloatingRatesRatePeriods*

Field Name	Required	Type	Description	Format
createdBy		String		
createdOn		String		

Field Name	Required	Type	Description	Format
fromDate		String		
id		Integer		int32
interestRate		Double		double
isActive		Boolean		
isDifferentialToBaseLendingRate		Boolean		
modifiedBy		String		
modifiedOn		String		

### *GetFloatingRatesResponse*

GetFloatingRatesResponse

Field Name	Required	Type	Description	Format
createdBy		String		
createdOn		String		
id		Integer		int32
isActive		Boolean		
isBaseLendingRate		Boolean		
modifiedBy		String		
modifiedOn		String		
name		String		

### *GetFromAccountOptions*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNo		Integer		int32
accountType		GetAccountOptions		
clientId		Integer		int32
clientName		String		
officeId		Integer		int32

Field Name	Required	Type	Description	Format
officeName		String		

### *GetFromAccountStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Long		int64
productId		Long		int64
productName		String		

### *GetFromAccountTypeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Long		int64

### *GetFromAccountTypeResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Long		int64

### *GetFromAccountTypeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32



### *GetFromClientOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
displayName		String		
id		Long		int64
officeId		Long		int64
officeName		String		

### *GetFromClientStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
displayName		String		
id		Long		int64
officeId		Long		int64
officeName		String		

### *GetFromOfficeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		
nameDecorated		String		

### *GetFromOfficeResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
decoratedName		String		
externalId		Integer		int32
hierarchy		String		
id		Long		int64
name		String		
openingDate		date		date

## *GetFromOfficeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		

## *GetFundsResponse*

GetFundsResponse

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

## *GetGLAccountsResponse*

GetGLAccountsResponse

Field Name	Required	Type	Description	Format
description		String		
disabled		Boolean		
glCode		String		
id		Long		int64
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
organizationRunningBalance		Long		int64
parentId		Long		int64
tagId		CodeValueData		
type		EnumOptionData		
usage		EnumOptionData		

## GetGLAccountsTemplateResponse

GetGLAccountsTemplateResponse

Field Name	Required	Type	Description	Format
accountTypeOptions		List of <a href="#">EnumOptionData</a>		
allowedAssetsTagOptions		List of <a href="#">CodeValueData</a>		
allowedEquityTagOptions		List of <a href="#">CodeValueData</a>		
allowedExpensesTagOptions		List of <a href="#">CodeValueData</a>		
allowedIncomeTagOptions		List of <a href="#">CodeValueData</a>		
allowedLiabilitiesTagOptions		List of <a href="#">CodeValueData</a>		
assetHeaderAccountOptions		List of <a href="#">GLAccountData</a>		
disabled		Boolean		
equityHeaderAccountOptions		List of <a href="#">GLAccountData</a>		
expenseHeaderAccountOptions		List of <a href="#">GLAccountData</a>		
liabilityHeaderAccountOptions		List of <a href="#">GLAccountData</a>		
manualEntriesAllowed		Boolean		
type		EnumOptionData		
usage		EnumOptionData		
usageOptions		List of <a href="#">EnumOptionData</a>		

## GetGLClosureResponse

GetGLClosureResponse

Field Name	Required	Type	Description	Format
closingDate		date		date
comments		String		
createdByUserId		Long		int64
createdByUsername		String		
createdDate		date		date
deleted		Boolean		
id		Long		int64
lastUpdatedByUserId		Long		int64
lastUpdatedByUsername		String		
lastUpdatedDate		date		date
officeId		Long		int64
officeName		String		

### *GetGlobalConfigurationsResponse*

GetGlobalConfigurationsResponse

Field Name	Required	Type	Description	Format
globalConfiguration		List of <a href="#">GlobalConfigurationPropertyData</a>		

### *GetGroupsGroupIdAccountsLoanAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Integer		int32
loanType		GetGroupsGroupIdAccountsLoanType		
productId		Integer		int32

Field Name	Required	Type	Description	Format
productName		String		
status		GetGroupsGroupIdAccountsStatus		

### *GetGroupsGroupIdAccountsLoanType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetGroupsGroupIdAccountsMemberLoanAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Integer		int32
loanType		GetGroupsGroupIdAccountsMemberLoanType		
productId		Integer		int32
productName		String		
status		GetGroupsGroupIdAccountsMemberLoanStatus		

### *GetGroupsGroupIdAccountsMemberLoanStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		

Field Name	Required	Type	Description	Format
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		
waitingForDisbursal		Boolean		

### *GetGroupsGroupIdAccountsMemberLoanType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetGroupsGroupIdAccountsMemberSavingsAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
accountType		GetGroupsGroupIdAccountsMemberLoanType		
currency		GetGroupsGroupIdAccountsSavingCurrency		
id		Integer		int32
productId		Integer		int32
productName		String		
status		GetGroupsGroupIdAccountsSavingStatus		

## *GetGroupsGroupIdAccountsResponse*

GetGroupsGroupIdAccountsResponse

Field Name	Required	Type	Description	Format
loanAccounts		Set of <a href="#">GetGroupsGroupIdAccountsLoanAccounts</a>		
memberLoanAccounts		Set of <a href="#">GetGroupsGroupIdAccountsMemberLoanAccounts</a>		
memberSavingsAccounts		Set of <a href="#">GetGroupsGroupIdAccountsMemberSavingsAccounts</a>		
savingsAccounts		Set of <a href="#">GetGroupsGroupIdAccountsSavingAccounts</a>		

## *GetGroupsGroupIdAccountsSavingAccountType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetGroupsGroupIdAccountsSavingAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
accountType		GetGroupsGroupIdAccountsSavingAccountType		

Field Name	Required	Type	Description	Format
currency		GetGroupsGroupIdAccountsSavingCurrency		
id		Integer		int32
productId		Integer		int32
productName		String		
status		GetGroupsGroupIdAccountsSavingStatus		

### *GetGroupsGroupIdAccountsSavingCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetGroupsGroupIdAccountsSavingStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		



Field Name	Required	Type	Description	Format
withdrawnByApplicant		Boolean		

### *GetGroupsGroupIdAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		
waitingForDisbursal		Boolean		

### *GetGroupsGroupIdResponse*

GetGroupsGroupIdResponse

Field Name	Required	Type	Description	Format
externalId		String		
hierarchy		String		
id		Integer		int32
name		String		
officeId		Integer		int32
officeName		String		

Field Name	Required	Type	Description	Format
timeline		GetGroupsGroupIdTimeline		

### *GetGroupsGroupIdTimeline*

Field Name	Required	Type	Description	Format
activatedByFirstname		String		
activatedByLastname		String		
activatedByUsername		String		
activatedOnDate		date		date

### *GetGroupsPageItems*

Field Name	Required	Type	Description	Format
active		Boolean		
hierarchy		String		
id		Integer		int32
name		String		
officeId		Integer		int32
officeName		String		
status		GetGroupsStatus		

### *GetGroupsResponse*

GetGroupsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetGroupsPageItems</a>		

Field Name	Required	Type	Description	Format
totalFilteredRecords		Integer		int32

### *GetGroupsStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetGroupsTemplateClientOptions*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32
officeId		Integer		int32
officeName		String		

### *GetGroupsTemplateColumnHeaderData*

Field Name	Required	Type	Description	Format
columnDisplayType		String		
columnLength		Integer		int32
columnName		String		
columnType		String		
columnValues		Set of <a href="#">[object]</a>		
isColumnNullable		Boolean		
isColumnPrimaryKey		Boolean		

### *GetGroupsTemplateDatatables*

Field Name	Required	Type	Description	Format
applicationTableName		String		
columnHeaderData		Set of <a href="#">GetGroupsTemplateColumnHeaderData</a>		
registeredTableName		String		

### *GetGroupsTemplateOfficeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetGroupsTemplateResponse*

GetGroupsTemplateResponse

Field Name	Required	Type	Description	Format
clientOptions		Set of <a href="#">GetGroupsTemplateClientOptions</a>		
datatables		Set of <a href="#">GetGroupsTemplateDatatables</a>		
officeId		Integer		int32
officeOptions		Set of <a href="#">GetGroupsTemplateOfficeOptions</a>		
staffOptions		Set of <a href="#">GetGroupsTemplateStaffOptions</a>		

## *GetGroupsTemplateStaffOptions*

Field Name	Required	Type	Description	Format
displayName		String		
id		Integer		int32

## *GetHolidaysResponse*

GetHolidaysResponse

Field Name	Required	Type	Description	Format
fromDate		date		date
id		Long		int64
name		String		
officeId		Long		int64
repaymentsRescheduledTo		date		date
status		EnumOptionData		
toDate		date		date

## *GetHookResponse*

GetHookResponse

Field Name	Required	Type	Description	Format
config		List of <i>Field</i>		
createdAt		date		date
displayName		String		
events		List of <i>Event</i>		
id		Long		int64
isActive		Boolean		
name		String		
templateId		Long		int64
templateName		String		

Field Name	Required	Type	Description	Format
updatedAt		date		date

### *GetHookTemplateResponse*

GetHookTemplateResponse

Field Name	Required	Type	Description	Format
groupings		List of <a href="#">Grouping</a>		
templates		List of <a href="#">HookTemplateData</a>		

### *GetIncomeFromFeeAccountId*

Field Name	Required	Type	Description	Format
glCode		String		
id		Integer		int32
name		String		

### *GetIncomeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetInstructionTypeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetInstructionTypeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetInterestRateChartsChartIdChartSlabsAttributeName*

Field Name	Required	Type	Description	Format
code		Integer		int32
description		Integer		int32
id		Integer		int32

### *GetInterestRateChartsChartIdChartSlabsConditionType*

Field Name	Required	Type	Description	Format
code		Integer		int32
description		Integer		int32
id		Integer		int32

### *GetInterestRateChartsChartIdChartSlabsEntityType*

Field Name	Required	Type	Description	Format
code		Integer		int32
description		Integer		int32
id		Integer		int32

### *GetInterestRateChartsChartIdChartSlabsIncentiveType*

Field Name	Required	Type	Description	Format
code		Integer		int32
description		Integer		int32

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetInterestRateChartsChartIdChartSlabsIncentives*

Field Name	Required	Type	Description	Format
amount		Float		float
attributeName		GetInterestRateChartsChartIdChartSlabsAttributeName		
attributeValue		Integer		int32
attributeValueDesc		String		
conditionType		GetInterestRateChartsChartIdChartSlabsConditionType		
entityType		GetInterestRateChartsChartIdChartSlabsEntityType		
id		Integer		int32
incentiveType		GetInterestRateChartsChartIdChartSlabsIncentiveType		

### *GetInterestRateChartsChartIdChartSlabsResponse*

GetInterestRateChartsChartIdChartSlabsResponse

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
currency		GetInterestRateChartsCurrency		
description		String		
fromPeriod		Integer		int32
id		Integer		int32



Field Name	Required	Type	Description	Format
incentives		Set of <a href="#">GetInterestRateChartsChartIdChartSlabsIncentives</a>		
periodTypes		GetInterestRateChartsTemplatePeriodTypes		
toPeriod		Integer		int32

### *GetInterestRateChartsChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Integer		int32
currency		GetInterestRateChartsCurrency		
fromPeriod		Integer		int32
id		Integer		int32
periodTypes		GetInterestRateChartsTemplatePeriodTypes		

### *GetInterestRateChartsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetInterestRateChartsResponse*

GetInterestRateChartsResponse

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#">GetInterestRateChartsChartSlabs</a>		
fromDate		date		date
id		Integer		int32
savingsProductId		Integer		int32
savingsProductName		String		

### *GetInterestRateChartsTemplatePeriodTypes*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetInterestRateChartsTemplateResponse*

GetInterestRateChartsTemplateResponse

Field Name	Required	Type	Description	Format
periodTypes		Set of <a href="#">GetInterestRateChartsTemplatePeriodTypes</a>		

### *GetJobsJobIDJobRunHistoryResponse*

GetJobsJobIDJobRunHistoryResponse

Field Name	Required	Type	Description	Format
pageItems		List of <a href="#">JobDetailHistoryDataSwagger</a>		

Field Name	Required	Type	Description	Format
totalFilteredRecords		Integer		int32

## *GetJobsResponse*

GetJobsResponse

Field Name	Required	Type	Description	Format
active		Boolean		
cronExpression		String		
currentlyRunning		Boolean		
displayName		String		
initializingError		String		
jobId		Long		int64
lastRunHistory		Object		
nextRunTime		Date		date-time

## *GetLoanAccountingMappings*

Field Name	Required	Type	Description	Format
fundSourceAccount		GetLoanFundSourceAccount		
incomeFromFeeAccount		GetLoanIncomeFromFeeAccount		
incomeFromPenaltyAccount		GetLoanIncomeFromPenaltyAccount		
interestOnLoanAccount		GetLoanInterestOnLoanAccount		
loanPortfolioAccount		GetLoanPortfolioAccount		
overpaymentLiabilityAccount		GetLoanOverpaymentLiabilityAccount		

Field Name	Required	Type	Description	Format
transfersInSuspenseAccount		GetLoanTransfersInSuspenseAccount		
writeOffAccount		GetLoanWriteOffAccount		

### *GetLoanCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetLoanChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanChargeCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetLoanChargeTemplateChargeAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanChargeTemplateChargeOptions*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Float		float
chargeAppliesTo		GetLoanChargeTemplateChargeAppliesTo		
chargeCalculationType		GetLoanChargeCalculationType		
chargeTimeType		GetLoanChargeTemplateChargeTimeType		
currency		GetLoanChargeCurrency		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetLoanChargeTemplateChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanCollateralManagementTemplate*

GetLoanCollateralManagementTemplate

Field Name	Required	Type	Description	Format
basePrice		BigDecimal		
collateralId		Long		int64
name		String		
pctToBase		BigDecimal		
quantity		BigDecimal		

### *GetLoanCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetLoanFeeToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetLoanCharge		
incomeAccount		GetLoanIncomeFromFeeAccount		

### *GetLoanFundSourceAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanIncomeFromFeeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanIncomeFromPenaltyAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanInterestOnLoanAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanOverpaymentLiabilityAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32

Field Name	Required	Type	Description	Format
name		String		

### *GetLoanPaymentChannelToFundSourceMappings*

Field Name	Required	Type	Description	Format
fundSourceAccount		GetLoanFundSourceAccount		
paymentType		GetLoanPaymentType		

### *GetLoanPaymentType*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetLoanPortfolioAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanProductsAccountingMappingOptions*

Field Name	Required	Type	Description	Format
assetAccountOptions		Set of <a href="#">GetLoanProductsAssetAccountOptions</a>		
expenseAccountOptions		Set of <a href="#">GetLoanProductsExpenseAccountOptions</a>		



Field Name	Required	Type	Description	Format
incomeAccountOptions		Set of <a href="#"><i>GetLoanProductsIncomeAccountOptions</i></a>		
liabilityAccountOptions		Set of <a href="#"><i>GetLoanProductsLiabilityAccountOptions</i></a>		

### *GetLoanProductsAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsAmortizationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsAssetAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		

Field Name	Required	Type	Description	Format
organizationRunningBalance		Integer		int32
tagId		GetLoanProductsLiabilityTagId		
type		GetLoanProductsLiabilityType		
usage		GetLoanProductsLiabilityUsage		

### *GetLoanProductsChargeAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsChargeOptions*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Long		int64
chargeAppliesTo		GetLoanProductsChargeAppliesTo		
chargeCalculationType		GetLoanChargeCalculationType		
chargePaymentMode		GetLoansChargePaymentMode		
chargeTimeType		GetLoanChargeTimeType		
currency		GetLoanProductsCurrencyOptions		
id		Integer		int32
name		String		

Field Name	Required	Type	Description	Format
penalty		Boolean		

### *GetLoanProductsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetLoanProductsCurrencyOptions*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetLoanProductsDaysInYearTemplateType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsExpenseAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
organizationRunningBalance		Integer		int32
tagId		GetLoanProductsLiabilityTagId		
type		GetLoanProductsExpenseType		
usage		GetLoanProductsLiabilityUsage		

### *GetLoanProductsExpenseType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsIncomeAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		

Field Name	Required	Type	Description	Format
name		String		
nameDecorated		String		
organizationRunningBalance		Integer		int32
tagId		GetLoanProductsLiabilityTagId		
type		GetLoanProductsIncomeType		
usage		GetLoanProductsLiabilityUsage		

### *GetLoanProductsIncomeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestRateFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestRateTemplateFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestRecalculationCompoundingFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestRecalculationCompoundingType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestRecalculationData*

Field Name	Required	Type	Description	Format
id		Integer		int32
interestRecalculationCompoundingFrequencyType		GetLoanProductsInterestRecalculationCompoundingFrequencyType		
interestRecalculationCompoundingType		GetLoanProductsInterestRecalculationCompoundingType		
isArrearsBasedOnOriginalSchedule		Boolean		
preClosureInterestCalculationStrategy		GetLoanProductsPreClosureInterestCalculationStrategy		
productId		Integer		int32
recalculationRestFrequencyType		GetLoanProductsInterestRecalculationCompoundingFrequencyType		

Field Name	Required	Type	Description	Format
rescheduleStrategyType		GetLoanProductsRescheduleStrategyType		

### *GetLoanProductsInterestRecalculationTemplateData*

Field Name	Required	Type	Description	Format
interestRecalculationCompoundingType		GetLoanProductsInterestRecalculationCompoundingType		
preClosureInterestCalculationStrategy		GetLoanProductsPreClosureInterestCalculationStrategy		
rescheduleStrategyType		GetLoanProductsRescheduleStrategyType		

### *GetLoanProductsInterestTemplateType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsInterestType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsLiabilityAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
organizationRunningBalance		Integer		int32
tagId		GetLoanProductsLiabilityTagId		
type		GetLoanProductsLiabilityType		
usage		GetLoanProductsLiabilityUsage		

### *GetLoanProductsLiabilityTagId*

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetLoanProductsLiabilityType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsLiabilityUsage*

Field Name	Required	Type	Description	Format
code		String		



Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

### *GetLoanProductsParamType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsPaymentTypeOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
position		Integer		int32

### *GetLoanProductsPreClosureInterestCalculationStrategy*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsPrincipalVariationsForBorrowerCycle*

Field Name	Required	Type	Description	Format
borrowerCycleNumber		Integer		int32
defaultValue		Float		float
id		Integer		int32

Field Name	Required	Type	Description	Format
maxValue		Float		float
minValue		Float		float
paramType		GetLoanProductsParamType		
valueConditionType		GetLoanProductsValueConditionType		

### *GetLoanProductsProductIdResponse*

GetLoanProductsProductIdResponse

Field Name	Required	Type	Description	Format
accountingMappings		GetLoanAccountingMappings		
accountingRule		GetLoanProductsAccountingRule		
amortizationType		GetLoanProductsAmortizationType		
annualInterestRate		Float		float
charges		List of <a href="#">[integer]</a>		int32
currency		GetLoanProductsCurrency		
feeToIncomeAccountMappings		Set of <a href="#">GetLoanFeeToIncomeAccountMappings</a>		
fixedPrincipalPercentagePerInstallment		BigDecimal		
id		Integer		int32
includeInBorrowerCycle		Boolean		
interestCalculationPeriodType		GetLoansProductsInterestCalculationPeriodType		

Field Name	Required	Type	Description	Format
interestRateFrequencyType		GetLoanProductsInterestRateFrequencyType		
interestRatePerPeriod		Float		float
interestRateVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
interestType		GetLoanProductsInterestTemplateType		
maxPrincipal		Float		float
maxTrancheCount		Integer		int32
minPrincipal		Float		float
multiDisburseLoan		Boolean		
name		String		
numberOfRepaymentVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
numberOfRepayments		Integer		int32
outstandingLoanBalance		Float		float
overdueDaysForNPA		Integer		int32
paymentChannelToFundSourceMappings		Set of <a href="#">GetLoanPaymentChannelToFundSourceMappings</a>		
principal		Float		float
principalThresholdForLastInstalment		Integer		int32
productsPrincipalVariationsForBorrowerCycle		Set of <a href="#">GetLoanProductsPrincipalVariationsForBorrowerCycle</a>		

Field Name	Required	Type	Description	Format
repaymentEvery		Integer		int32
repaymentFrequencyType		GetLoanProductsRepaymentFrequencyType		
shortName		String		
status		String		
transactionProcessingStrategyId		Integer		int32
transactionProcessingStrategyName		String		
useBorrowerCycle		Boolean		

### *GetLoanProductsRepaymentFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsRepaymentTemplateFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsRescheduleStrategyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## GetLoanProductsResponse

### GetLoanProductsResponse

Field Name	Required	Type	Description	Format
accountingRule		GetLoanProductsAccountingRule		
amortizationType		GetLoanProductsAmortizationType		
annualInterestRate		Float		float
currency		GetLoanProductsCurrency		
daysInMonthType		GetLoansProductsDaysInMonthType		
daysInYearType		GetLoansProductsDaysInYearType		
endDate		date		date
fixedPrincipalPercentagePerInstallment		BigDecimal		
id		Integer		int32
includeInBorrowerCycle		Boolean		
interestCalculationPeriodType		GetLoansProductsInterestCalculationPeriodType		
interestRateFrequencyType		GetLoanProductsInterestRateFrequencyType		
interestRatePerPeriod		Float		float
interestRateVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
interestRecalculationData		GetLoanProductsInterestRecalculationData		

Field Name	Required	Type	Description	Format
interestType		GetLoanProductsInterestType		
isInterestRecalculationEnabled		Boolean		
maxNumberOfRepayments		Integer		int32
maxPrincipal		Float		float
minNumberOfRepayments		Integer		int32
minPrincipal		Float		float
name		String		
numberOfRepaymentVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
numberOfRepayments		Integer		int32
principal		Float		float
principalThresholdForLastInstalment		Integer		int32
principalVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		GetLoanProductsRepaymentFrequencyType		
shortName		String		
startDate		date		date
status		String		
transactionProcessingStrategyId		Integer		int32
transactionProcessingStrategyName		String		
useBorrowerCycle		Boolean		

## *GetLoanProductsTemplateCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

## *GetLoanProductsTemplateResponse*

GetLoanProductsTemplateResponse

Field Name	Required	Type	Description	Format
accountingMappingOptions		GetLoanProductsAccountingMappingOptions		
accountingRule		GetLoanProductsAccountingRule		
accountingRuleOptions		Set of <a href="#">GetLoanProductsAccountingRule</a>		
amortizationType		GetLoanProductsAmortizationType		
amortizationTypeOptions		Set of <a href="#">GetLoanProductsAmortizationType</a>		
chargeOptions		Set of <a href="#">GetLoanProductsChargeOptions</a>		
currency		GetLoanProductsTemplateCurrency		

Field Name	Required	Type	Description	Format
currencyOptions		Set of <a href="#">GetLoanProductsCurrencyOptions</a>		
daysInMonthType		GetLoansProductsDaysInMonthTemplateType		
daysInMonthTypeOptions		Set of <a href="#">GetLoansProductsDaysInMonthTemplateType</a>		
daysInYearType		GetLoanProductsDaysInYearTemplateType		
daysInYearTypeOptions		Set of <a href="#">GetLoanProductsInterestTemplateType</a>		
includeInBorrowerCycle		Boolean		
interestCalculationPeriodType		GetLoansProductsInterestCalculationPeriodType		
interestCalculationPeriodTypeOptions		Set of <a href="#">GetLoansProductsInterestCalculationPeriodType</a>		
interestRateFrequencyType		GetLoanProductsInterestRateTemplateFrequencyType		
interestRateFrequencyTypeOptions		Set of <a href="#">GetLoanProductsInterestRateTemplateFrequencyType</a>		
interestRateVariationsForBorrowerCycle		List of [integer]		int32



Field Name	Required	Type	Description	Format
interestRecalculationCompoundingTypeOptions		Set of <a href="#">GetLoanProductsInterestRecalculationCompoundingType</a>		
interestRecalculationData		GetLoanProductsInterestRecalculationTemplateData		
interestRecalculationFrequencyTypeOptions		Set of <a href="#">GetLoanProductsInterestRecalculationCompoundingFrequencyType</a>		
interestType		GetLoanProductsInterestTemplateType		
interestTypeOptions		Set of <a href="#">GetLoanProductsInterestTemplateType</a>		
isInterestRecalculationEnabled		Boolean		
numberOfRepaymentVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
paymentTypeOptions		Set of <a href="#">GetLoanProductsPaymentTypeOptions</a>		
preClosureInterestCalculationStrategyOptions		Set of <a href="#">GetLoanProductsPreClosureInterestCalculationStrategy</a>		
principalVariationsForBorrowerCycle		List of <a href="#">[integer]</a>		int32
repaymentFrequencyType		GetLoanProductsRepaymentTemplateFrequencyType		

Field Name	Required	Type	Description	Format
repaymentFrequencyTypeOptions		Set of <a href="#"><i>GetLoanProductsRepaymentTemplateFrequencyType</i></a>		
rescheduleStrategyTypeOptions		Set of <a href="#"><i>GetLoanProductsRescheduleStrategyType</i></a>		
transactionProcessingStrategyOptions		Set of <a href="#"><i>GetLoanProductsTransactionProcessingStrategyOptions</i></a>		
useBorrowerCycle		Boolean		
valueConditionTypeOptions		Set of <a href="#"><i>GetLoanProductsValueConditionTypeOptions</i></a>		

### *GetLoanProductsTransactionProcessingStrategyOptions*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
name		String		

### *GetLoanProductsValueConditionType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanProductsValueConditionTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoanTransfersInSuspenseAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoanWriteOffAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetLoansChargePaymentMode*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		

Field Name	Required	Type	Description	Format
displaySymbol		String		
name		String		
nameCode		String		

### *GetLoansLoanIdAmortizationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdChargePaymentMode*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetLoansLoanIdChargesChargeIdResponse*

GetLoansLoanIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
amount		Float		float
amountOrPercentage		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountPercentageAppliedTo		Double		double
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetLoanChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetLoanChargeTimeType		
currency		GetLoanChargeCurrency		
id		Integer		int32
name		String		
penalty		Boolean		
percentage		Double		double

## *GetLoansLoanIdChargesTemplateResponse*

GetLoansLoanIdChargesTemplateResponse

Field Name	Required	Type	Description	Format
amountPaid		Float		float
amountWaived		Float		float
amountWrittenOff		Float		float

Field Name	Required	Type	Description	Format
chargeOptions		Set of <a href="#">GetLoanChargeTemplateChargeOptions</a>		
penalty		Boolean		

### *GetLoansLoanIdCollateralsResponse*

GetLoansLoanIdCollateralsResponse

Field Name	Required	Type	Description	Format
currency		GetCollateralCurrencyResponse		
description		String		
id		Integer		int32
type		GetCollateralTypeResponse		
value		Long		int64

### *GetLoansLoanIdCollateralsTemplateResponse*

GetLoansLoanIdCollateralsTemplateResponse

Field Name	Required	Type	Description	Format
allowedCollateralTypes		Set of <a href="#">GetCollateralsTemplateAllowedTypes</a>		

### *GetLoansLoanIdCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		

Field Name	Required	Type	Description	Format
name		String		
nameCode		String		

### *GetLoansLoanIdDisbursementDetails*

Field Name	Required	Type	Description	Format
approvedPrincipal		Float		float
expectedDisbursementDate		date		date
id		Integer		int32
principal		Float		float

### *GetLoansLoanIdFeeFrequency*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdInterestCalculationPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdInterestRateFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetLoansLoanIdInterestType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdLinkedAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Integer		int32

### *GetLoansLoanIdLoanType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdOverdueCharges*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Float		float
chargeAppliesTo		GetLoanChargeTemplateChargeAppliesTo		



Field Name	Required	Type	Description	Format
chargeCalculationType		GetLoansLoanIdChargeCalculationType		
chargePaymentMode		GetLoansLoanIdChargePaymentMode		
chargeTimeType		GetLoansLoanIdChargeTimeType		
currency		GetLoanCurrency		
feeFrequency		GetLoansLoanIdFeeFrequency		
feeInterval		Integer		int32
id		Integer		int32
name		String		
penalty		Boolean		

### *GetLoansLoanIdRepaymentFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdResponse*

GetLoansLoanIdResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amortizationType		GetLoansLoanIdAmortizationType		
annualInterestRate		Integer		int32
clientId		Integer		int32
clientName		String		

Field Name	Required	Type	Description	Format
clientOfficeId		Integer		int32
currency		GetLoansLoanIdCurrency		
fixedPrincipalPercentagePerInstallment		BigDecimal		
id		Long		int64
interestCalculationPeriodType		GetLoansLoanIdInterestCalculationPeriodType		
interestRateFrequencyType		GetLoansLoanIdInterestRateFrequencyType		
interestRatePerPeriod		Integer		int32
interestType		GetLoansLoanIdInterestType		
loanOfficerId		Integer		int32
loanOfficerName		String		
loanProductDescription		String		
loanProductId		Integer		int32
loanProductName		String		
loanPurposeId		Integer		int32
loanPurposeName		String		
loanType		GetLoansLoanIdLoanType		
numberOfRepayments		Integer		int32
principal		Long		int64
repaymentEvery		Integer		int32
repaymentFrequencyType		GetLoansLoanIdRepaymentFrequencyType		

Field Name	Required	Type	Description	Format
status		GetLoansLoanIdStatus		
summary		GetLoansLoanIdSummary		
termFrequency		Integer		int32
termPeriodFrequencyType		GetLoansLoanIdTermPeriodFrequencyType		
timeline		GetLoansLoanIdTimeline		
transactionProcessingStrategyId		Integer		int32

### *GetLoansLoanIdStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		
waitingForDisbursal		Boolean		

### *GetLoansLoanIdSummary*

Field Name	Required	Type	Description	Format
canDisburse		Boolean		
currency		GetLoansLoanIdCurrency		
disbursementDetails		Set of <a href="#">GetLoansLoanIdDisbursementDetails</a>		
emiAmountVariations		Set of [object]		
feeChargesCharged		Long		int64
feeChargesDueAtDisbursementCharged		Long		int64
feeChargesOutstanding		Long		int64
feeChargesOverdue		Long		int64
feeChargesPaid		Long		int64
feeChargesWaived		Long		int64
feeChargesWrittenOff		Long		int64
fixedEmiAmount		Float		float
inArrears		Boolean		
interestCharged		Long		int64
interestOutstanding		Long		int64
interestOverdue		Long		int64
interestPaid		Long		int64
interestWaived		Long		int64
interestWrittenOff		Long		int64
isNPA		Boolean		
linkedAccount		GetLoansLoanIdLinkedAccount		
maxOutstandingLoanBalance		Long		int64

Field Name	Required	Type	Description	Format
overdueCharges		Set of <a href="#">GetLoansLoanIdOverdueCharges</a>		
overdueSinceDate		date		date
penaltyChargesCharged		Long		int64
penaltyChargesOutstanding		Long		int64
penaltyChargesOverdue		Long		int64
penaltyChargesPaid		Long		int64
penaltyChargesWaived		Long		int64
penaltyChargesWrittenOff		Long		int64
principalDisbursed		Long		int64
principalOutstanding		Long		int64
principalOverdue		Double		double
principalPaid		Long		int64
principalWrittenOff		Long		int64
totalCostOfLoan		Long		int64
totalExpectedCostOfLoan		Long		int64
totalExpectedRepayment		Long		int64
totalOutstanding		Long		int64
totalOverdue		Double		double
totalRepayment		Long		int64
totalWaived		Long		int64
totalWrittenOff		Long		int64

### *GetLoansLoanIdTermPeriodFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansLoanIdTimeline*

Field Name	Required	Type	Description	Format
actualDisbursementDate		date		date
approvedByFirstname		String		
approvedByLastname		String		
approvedByUsername		String		
approvedOnDate		date		date
disbursedByFirstname		String		
disbursedByLastname		String		
disbursedByUsername		String		
expectedDisbursementDate		date		date
expectedMaturityDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		

Field Name	Required	Type	Description	Format
submittedOnDate		date		date

### *GetLoansLoanIdTransactionsTemplateResponse*

GetLoansLoanIdTransactionsTemplateResponse

Field Name	Required	Type	Description	Format
date		date		date
total		GetLoansTotal		
transactionType		GetLoansTransactionType		

### *GetLoansLoanIdTransactionsTransactionIdResponse*

GetLoansLoanIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
amount		Double		double
currency		GetLoansCurrency		
date		date		date
id		Integer		int32
interestPortion		Double		double
manuallyReversed		Boolean		
type		GetLoansType		

### *GetLoansProductsDaysInMonthTemplateType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansProductsDaysInMonthType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansProductsDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansProductsInterestCalculationPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansResponse*

GetLoansResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#"><i>GetLoansLoanIdResponse</i></a>		
totalFilteredRecords		Integer		int32

### *GetLoansTemplateProductOptions*



Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetLoansTemplateResponse*

GetLoansTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
clientName		String		
clientOfficeId		Integer		int32
productOptions		Set of <a href="#">GetLoansTemplateProductOptions</a>		
timeline		GetLoansTemplateTimeline		

### *GetLoansTemplateTimeline*

Field Name	Required	Type	Description	Format
expectedDisbursementDate		date		date

### *GetLoansTotal*

Field Name	Required	Type	Description	Format
amount		Float		float
currencyCode		String		
defaultName		String		
digitsAfterDecimal		Integer		int32
displaySymbol		String		
displaySymbolValue		String		

Field Name	Required	Type	Description	Format
greaterThanZero		Boolean		
inMultiplesOf		Integer		int32
nameCode		String		
zero		Boolean		

### *GetLoansTransactionType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetLoansType*

Field Name	Required	Type	Description	Format
code		String		
contra		Boolean		
description		String		
disbursement		Boolean		
id		Integer		int32
recoveryRepayment		Boolean		
repayment		Boolean		
repaymentAtDisbursement		Boolean		
waiveCharges		Boolean		
waiveInterest		Boolean		
writeOff		Boolean		

### *GetLockPeriodTypeEnum*

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

## *GetMakerCheckerResponse*

### GetMakerCheckerResponse

Field Name	Required	Type	Description	Format
actionName		String		
checkedOnDate		Date		date-time
checker		String		
clientId		Long		int64
clientName		String		
commandAsJson		String		
entityName		String		
groupLevelName		String		
groupName		String		
id		Long		int64
loanAccountNo		String		
loanId		Long		int64
madeOnDate		Date		date-time
maker		String		
officeName		String		
processingResult		String		
resourceId		Long		int64
savingsAccountNo		String		
subresourceId		Long		int64
url		String		

## GetMakerCheckersSearchTemplateResponse

GetMakerCheckersSearchTemplateResponse

Field Name	Required	Type	Description	Format
actionNames		List of <a href="#">[string]</a>		
appUsers		List of <a href="#">AppUserData</a>		
entityNames		List of <a href="#">[string]</a>		
processingResults		List of <a href="#">ProcessingResultLookup</a>		

## GetNotesNoteType

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## GetOfficesResponse

GetOfficesResponse

Field Name	Required	Type	Description	Format
externalId		String		
hierarchy		String		
id		Long		int64
name		String		
nameDecorated		String		
openingDate		date		date

## GetOfficesTemplateResponse

GetOfficesTemplateResponse

Field Name	Required	Type	Description	Format
allowedParents		List of <a href="#">GetOfficesResponse</a>		
openingDate		date		date

### *GetPageItemsStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
accountDetailId		Long		int64
amount		Float		float
fromAccount		GetFromAccountStandingInstructionSwagger		
fromAccountType		GetFromAccountTypeStandingInstructionSwagger		
fromClient		GetFromClientStandingInstructionSwagger		
fromOffice		GetFromOfficeStandingInstructionSwagger		
id		Long		int64
instructionType		GetInstructionTypeStandingInstructionSwagger		
name		String		
priority		GetPriorityStandingInstructionSwagger		
recurrenceFrequency		GetRecurrenceFrequencyStandingInstructionSwagger		
recurrenceInterval		Integer		int32
recurrenceOnMonthDay		date		date

Field Name	Required	Type	Description	Format
recurrenceType		GetRecurrenceTypeStandingInstructionSwagger		
status		GetStatusStandingInstructionSwagger		
toAccount		GetToAccountStandingInstructionSwagger		
toAccountType		GetToAccountTypeStandingInstructionSwagger		
toClient		GetToClientStandingInstructionSwagger		
toOffice		GetToOfficeStandingInstructionSwagger		
transferType		GetTransferTypeStandingInstructionSwagger		
validFrom		date		date

### *GetPasswordPreferencesTemplateResponse*

GetPasswordPreferencesTemplateResponse

Field Name	Required	Type	Description	Format
active		Boolean		
description		String		
id		Long		int64
key		String		

### *GetPaymentTypesPaymentTypeIdResponse*

GetPaymentTypesPaymentTypeIdResponse

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32
isCashPayment		Boolean		
name		String		
position		Integer		int32

### *GetPaymentTypesResponse*

GetPaymentTypesResponse

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32
isCashPayment		Boolean		
name		String		
position		Integer		int32

### *GetPermissionsResponse*

GetPermissionsResponse

Field Name	Required	Type	Description	Format
actionName		String		
code		String		
entityName		String		
grouping		String		
selected		Boolean		

### *GetPocketData*

Field Name	Required	Type	Description	Format
row		String		

### *GetPocketLoanAccounts*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNumber		Integer		int32
accountType		Integer		int32
id		Integer		int32
pocketId		Integer		int32

### *GetPocketSavingAccounts*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNumber		Integer		int32
accountType		Integer		int32
id		Integer		int32
pocketId		Integer		int32

### *GetPostDatedChecks*

GetPostDatedChecks

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amount		BigDecimal		
date		date		date
id		Long		int64
installmentId		Integer		int32
name		String		

### *GetPriorityOptionsResponseStandingInstructionSwagger*



Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetPriorityStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetProductsAccountingMappingOptions*

Field Name	Required	Type	Description	Format
assetAccountOptions		Set of <a href="#">GetProductsAssetAccountOptions</a>		
equityAccountOptions		Set of <a href="#">GetProductsEquityAccountOptions</a>		
incomeAccountOptions		Set of <a href="#">GetProductsIncomeAccountOptions</a>		
liabilityAccountOptions		Set of <a href="#">GetProductsLiabilityAccountOptions</a>		

### *GetProductsAccountingMappings*

Field Name	Required	Type	Description	Format
incomeFromFeeAccountId		GetIncomeFromFeeAccountId		
shareEquityId		GetShareEquityId		

Field Name	Required	Type	Description	Format
shareReferenceId		GetShareReferenceId		
shareSuspenseId		GetShareSuspenseId		

### *GetProductsAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetProductsAssetAccountOptions*

Field Name	Required	Type	Description	Format
description		String		
disabled		Boolean		
glCode		String		
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
tagId		GetProductsTagId		
type		GetAssetType		
usage		GetProductsLiabilityUsage		

### *GetProductsCharges*

Field Name	Required	Type	Description	Format
active		Boolean		

Field Name	Required	Type	Description	Format
amount		Integer		int32
chargeAppliesTo		GetChargeAppliesTo		
chargeCalculationType		GetChargeCalculationType		
chargePaymentMode		GetChargePaymentMode		
chargeTimeType		GetChargeTimeType		
currency		GetChargesCurrency		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetProductsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetProductsEquityAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		String		
id		Integer		int32

Field Name	Required	Type	Description	Format
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
tagId		GetProductsTagId		
type		GetEquityType		
usage		GetProductsLiabilityUsage		

### *GetProductsIncomeAccountOptions*

Field Name	Required	Type	Description	Format
description		String		
disabled		Boolean		
glCode		String		
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
tagId		GetProductsTagId		
type		GetIncomeType		
usage		GetProductsLiabilityUsage		

### *GetProductsLiabilityAccountOptions*

Field Name	Required	Type	Description	Format
description		String		
disabled		Boolean		
glCode		String		
id		Integer		int32

Field Name	Required	Type	Description	Format
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
tagId		GetProductsTagId		
type		GetProductsLiabilityType		
usage		GetProductsLiabilityUsage		

### *GetProductsLiabilityType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetProductsLiabilityUsage*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetProductsMarketPrice*

Field Name	Required	Type	Description	Format
fromDate		String		
id		Integer		int32
shareValue		Integer		int32

### *GetProductsMinimumActivePeriodFrequencyTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetProductsPageItems*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
shortName		String		
totalShares		Integer		int32

### *GetProductsTagId*

Field Name	Required	Type	Description	Format
id		Integer		int32
isActive		Boolean		

### *GetProductsTypeProductIdResponse*

GetProductsTypeProductIdResponse

Field Name	Required	Type	Description	Format
accountingMappingOptions		GetProductsAccountingMappingOptions		
accountingMappings		GetProductsAccountingMappings		
accountingRule		GetProductsAccountingRule		

Field Name	Required	Type	Description	Format
allowDividendCalculationForInactiveClients		Boolean		
chargeOptions		Set of <a href="#">GetProductsCharges</a>		
charges		Set of <a href="#">GetProductsCharges</a>		
currency		GetProductsCurrency		
currencyOptions		Set of <a href="#">GetChargesCurrency</a>		
description		String		
id		Integer		int32
lockPeriodTypeEnum		GetLockPeriodTypeEnum		
lockinPeriod		Integer		int32
lockinPeriodFrequencyTypeOptions		Set of <a href="#">GetProductsMinimumActivePeriodFrequencyTypeOptions</a>		
marketPrice		Set of <a href="#">GetProductsMarketPrice</a>		
maximumShares		Integer		int32
minimumActivePeriod		Integer		int32
minimumActivePeriodForDividendsTypeEnum		GetLockPeriodTypeEnum		
minimumActivePeriodFrequencyTypeOptions		Set of <a href="#">GetProductsMinimumActivePeriodFrequencyTypeOptions</a>		

Field Name	Required	Type	Description	Format
minimumShares		Integer		int32
name		String		
nominalShares		Integer		int32
shareCapital		Integer		int32
shortName		String		
totalShares		Integer		int32
totalSharesIssued		Integer		int32
unitPrice		Integer		int32

### *GetProductsTypeResponse*

GetProductsTypeResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetProductsPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetProvisioningCriteriaCriteriaIdResponse*

GetProvisioningCriteriaCriteriaIdResponse

Field Name	Required	Type	Description	Format
createdBy		String		
criteriaId		Long		int64
criteriaName		String		
loanProducts		List of <a href="#">LoanProductData</a>		
provisioningcriteria		List of <a href="#">ProvisioningCriteriaDefinitionData</a>		



## *GetProvisioningCriteriaResponse*

GetProvisioningCriteriaResponse

Field Name	Required	Type	Description	Format
createdBy		String		
criteriaId		Long		int64
criteriaName		String		

## *GetRecurrenceFrequencyOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetRecurrenceFrequencyStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetRecurrenceTypeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetRecurrenceTypeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetRecurringDepositAccountsAccountChart*

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNumber		Long		int64
chartSlabs		Set of <a href="#"><i>GetRecurringDepositAccountsChartSlabs</i></a>		
fromDate		date		date
id		Integer		int32
periodTypes		Set of <a href="#"><i>GetRecurringDepositAccountsPeriodTypes</i></a>		

### *GetRecurringDepositAccountsAccountChartCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetRecurringDepositAccountsAccountIdResponse*

GetRecurringDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
accountChart		GetRecurringDepositAccountsAccountChart		
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetRecurringDepositAccountsCurrency		
depositPeriod		Integer		int32
depositPeriodFrequency		GetRecurringDepositAccountsDepositPeriodFrequency		
expectedFirstDepositOnDate		date		date
externalId		String		
fieldOfficerId		Integer		int32
id		Integer		int32

Field Name	Required	Type	Description	Format
interestCalculationDaysInYearType		GetRecurringDepositAccountsInterestCalculationDaysInYearType		
interestCalculationType		GetRecurringDepositAccountsInterestCalculationType		
interestCompoundingPeriodType		GetRecurringDepositAccountsInterestCompoundingPeriodType		
interestPostingPeriodType		GetRecurringDepositAccountsInterestPostingPeriodType		
maxDepositTerm		Integer		int32
maxDepositTermType		GetRecurringDepositAccountsMaxDepositTermType		
minDepositTerm		Integer		int32
minDepositTermType		GetRecurringDepositAccountsMinDepositTermType		
preClosurePenalApplicable		Boolean		
recurringDepositAmount		Integer		int32
recurringDepositFrequency		Integer		int32
recurringDepositFrequencyType		GetRecurringDepositAccountsRecurringDepositFrequencyType		
savingsProductId		Integer		int32
savingsProductName		String		

Field Name	Required	Type	Description	Format
status		GetRecurringDepositAccountsStatus		
summary		GetRecurringDepositAccountsSummary		
timeline		GetRecurringDepositAccountsTimeline		

### *GetRecurringDepositAccountsChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
currency		GetRecurringDepositAccountsAccountChartCurrency		
fromPeriod		Integer		int32
id		Integer		int32
periodType		GetRecurringDepositAccountsPeriodType		
toPeriod		Integer		int32

### *GetRecurringDepositAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetRecurringDepositAccountsDepositPeriodFrequency*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetRecurringDepositAccountsMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsPeriodTypes*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTemplateResponse*

GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTemplateResponse

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNo		String		
amount		BigDecimal		
currency		GetRecurringCurrency		
date		date		date
id		Integer		int32
paymentTypeOptions		List of <a href="#">[integer]</a>		int32
reversed		Boolean		
transactionType		GetRecurringTransactionType		

## *GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse*

GetRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNo		String		
amount		Float		float
currency		GetRecurringTransactionsCurrency		
date		date		date
id		Integer		int32
paymentDetailData		GetRecurringPaymentDetailData		
reversed		Boolean		



Field Name	Required	Type	Description	Format
runningBalance		Integer		int32
transactionType		GetRecurringTransactionsTransactionType		

### *GetRecurringDepositAccountsRecurringDepositFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositAccountsResponse*

GetRecurringDepositAccountsResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetRecurringDepositAccountsCurrency		
depositAmount		Float		float
depositPeriod		Integer		int32
depositPeriodFrequency		GetRecurringDepositAccountsDepositPeriodFrequency		
fieldOfficerId		Integer		int32
id		Integer		int32
interestCalculationDaysInYearType		GetRecurringDepositAccountsInterestCalculationDaysInYearType		

Field Name	Required	Type	Description	Format
interestCalculationType		GetRecurringDepositAccountsInterestCalculationType		
interestCompoundingPeriodType		GetRecurringDepositAccountsInterestCompoundingPeriodType		
interestPostingPeriodType		GetRecurringDepositAccountsInterestPostingPeriodType		
maturityAmount		Float		float
maturityDate		date		date
maxDepositTerm		Integer		int32
maxDepositTermType		GetRecurringDepositAccountsMaxDepositTermType		
minDepositTerm		Integer		int32
minDepositTermType		GetRecurringDepositAccountsMinDepositTermType		
preClosurePenalApplicable		Boolean		
recurringDepositAmount		Integer		int32
recurringDepositFrequency		Integer		int32
recurringDepositFrequencyType		GetRecurringDepositAccountsRecurringDepositFrequencyType		
savingsProductId		Integer		int32
savingsProductName		String		
status		GetRecurringDepositAccountsStatus		

Field Name	Required	Type	Description	Format
summary		GetRecurringDepositAccountsSummary		
timeline		GetRecurringDepositAccountsTimeline		

### *GetRecurringDepositAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
prematureClosed		Boolean		
rejected		Boolean		
submittedAndPendingApproval		Boolean		
transferInProgress		Boolean		
transferOnHold		Boolean		
withdrawnByApplicant		Boolean		

### *GetRecurringDepositAccountsSummary*

Field Name	Required	Type	Description	Format
accountBalance		Float		float
currency		GetRecurringDepositAccountsCurrency		

## *GetRecurringDepositAccountsTemplateResponse*

### GetRecurringDepositAccountsTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
productOptions		Set of <a href="#">GetRecurringProductOptions</a>		

## *GetRecurringDepositAccountsTimeline*

Field Name	Required	Type	Description	Format
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

## *GetRecurringDepositProductsAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## *GetRecurringDepositProductsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		

Field Name	Required	Type	Description	Format
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetRecurringDepositProductsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetRecurringDepositProductsMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsProductIdAccountingMappings*

Field Name	Required	Type	Description	Format
incomeFromFeeAccount		GetRecurringDepositProductsProductIdIncomeFromFeeAccount		
incomeFromPenaltyAccount		GetRecurringDepositProductsProductIdIncomeFromPenaltyAccount		
interestOnSavingsAccount		GetRecurringDepositProductsProductIdInterestOnSavingsAccount		

Field Name	Required	Type	Description	Format
savingsControlAccount		GetRecurringDepositProductsProductIdSavingsControlAccount		
savingsReferenceAccount		GetRecurringDepositProductsProductIdSavingsReferenceAccount		
transfersInSuspenseAccount		GetRecurringDepositProductsProductIdTransfersInSuspenseAccount		

### *GetRecurringDepositProductsProductIdActiveChart*

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#">GetRecurringDepositProductsProductIdChartSlabs</a>		
fromDate		date		date
id		Integer		int32
periodTypes		Set of <a href="#">GetRecurringDepositProductsProductIdPeriodType</a>		
savingsProductId		Integer		int32
savingsProductName		String		

### *GetRecurringDepositProductsProductIdChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double

Field Name	Required	Type	Description	Format
currency		GetRecurringDepositProductsProductIdCurrency		
description		String		
fromPeriod		Integer		int32
id		Integer		int32
periodType		GetRecurringDepositProductsProductIdPeriodType		
toPeriod		Integer		int32

### *GetRecurringDepositProductsProductIdCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetRecurringDepositProductsProductIdFeeToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetRecurringDepositProductsProductIdFeeToIncomeAccountMappingsCharge		
incomeAccount		GetRecurringDepositProductsProductIdFeeToIncomeAccountMappingsIncomeAccount		



### *GetRecurringDepositProductsProductIdFeeToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetRecurringDepositProductsProductIdFeeToIncomeAccountMappingsIncomeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsProductIdIncomeFromFeeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsProductIdIncomeFromPenaltyAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsProductIdInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsProductIdInterestOnSavingsAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsProductIdMaxDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsProductIdMinDepositTermType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsProductIdPenaltyToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetRecurringDepositProductsProductIdPenaltyToIncomeAccountMappingsCharge		
incomeAccount		GetRecurringDepositProductsProductIdIncomeFromPenaltyAccount		

### *GetRecurringDepositProductsProductIdPenaltyToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetRecurringDepositProductsProductIdPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsProductIdPreClosurePenalInterestOnType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

## GetRecurringDepositProductsProductIdResponse

### GetRecurringDepositProductsProductIdResponse

Field Name	Required	Type	Description	Format
accountingMappings		GetRecurringDepositProductsProductIdAccountingMappings		
activeChart		GetRecurringDepositProductsProductIdActiveChart		
currency		GetRecurringDepositProductsProductIdCurrency		
description		String		
feeToIncomeAccountMappings		Set of <a href="#">GetRecurringDepositProductsProductIdFeeToIncomeAccountMappings</a>		
id		Integer		int32
interestCalculationDaysInYearType		GetRecurringDepositProductsInterestCalculationDaysInYearType		
interestCalculationType		GetRecurringDepositProductsInterestCalculationType		
interestCompoundingPeriodType		GetRecurringDepositProductsProductIdInterestCompoundingPeriodType		
interestPostingPeriodType		GetRecurringDepositProductsInterestPostingPeriodType		
maxDepositTerm		Integer		int32

Field Name	Required	Type	Description	Format
maxDepositTermType		GetRecurringDepositProductsProductIdMaxDepositTermType		
minDepositTerm		Integer		int32
minDepositTermType		GetRecurringDepositProductsProductIdMinDepositTermType		
name		String		
penaltyToIncomeAccountMappings		Set of <a href="#">GetRecurringDepositProductsProductIdPenaltyToIncomeAccountMappings</a>		
preClosurePenalApplicable		Boolean		
preClosurePenalInterest		Double		double
preClosurePenalInterestOnType		GetRecurringDepositProductsProductIdPreClosurePenalInterestOnType		
recurringDepositFrequency		Integer		int32
recurringDepositFrequencyType		GetRecurringDepositProductsRecurringDepositFrequencyType		
shortName		String		

### *GetRecurringDepositProductsProductIdSavingsControlAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32

Field Name	Required	Type	Description	Format
name		String		

### *GetRecurringDepositProductsProductIdSavingsReferenceAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsProductIdTransfersInSuspenseAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetRecurringDepositProductsRecurringDepositFrequencyType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetRecurringDepositProductsResponse*

GetRecurringDepositProductsResponse

Field Name	Required	Type	Description	Format
accountingRule		GetRecurringDepositProductsAccountingRule		
currency		GetRecurringDepositProductsCurrency		

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32
interestCalculationDaysInYearType		GetRecurringDepositProductsInterestCalculationDaysInYearType		
interestCalculationType		GetRecurringDepositProductsInterestCalculationType		
interestCompoundingPeriodType		GetRecurringDepositProductsInterestCompoundingPeriodType		
interestPostingPeriodType		GetRecurringDepositProductsInterestPostingPeriodType		
maxDepositTerm		Integer		int32
maxDepositTermType		GetRecurringDepositProductsMaxDepositTermType		
minDepositTerm		Integer		int32
minDepositTermType		GetRecurringDepositProductsMinDepositTermType		
name		String		
nominalAnnualInterestRate		Double		double
preClosurePenalApplicable		Boolean		
recurringDepositFrequency		Integer		int32
recurringDepositFrequencyType		GetRecurringDepositProductsRecurringDepositFrequencyType		
shortName		String		

### *GetRecurringPaymentDetailData*

Field Name	Required	Type	Description	Format
accountNumber		Integer		int32
bankNumber		Integer		int32
checkNumber		Integer		int32
id		Integer		int32
paymentType		GetRecurringPaymentType		
receiptNumber		Integer		int32
routingCode		Integer		int32

### *GetRecurringPaymentType*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetRecurringProductOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetRecurringTransactionType*

Field Name	Required	Type	Description	Format
approveTransfer		Boolean		
code		String		
deposit		Boolean		
description		String		
feeDeduction		Boolean		
id		Integer		int32



Field Name	Required	Type	Description	Format
initiateTransfer		Boolean		
interestPosting		Boolean		
overdraftFee		Boolean		
overdraftInterest		Boolean		
rejectTransfer		Boolean		
withdrawTransfer		Boolean		
withdrawal		Boolean		
writtenoff		Boolean		

### *GetRecurringTransactionsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32
name		String		
nameCode		String		

### *GetRecurringTransactionsTransactionType*

Field Name	Required	Type	Description	Format
code		String		
deposit		Boolean		
description		String		
feeDeduction		Boolean		
id		Integer		int32
interestPosting		Boolean		
withdrawal		Boolean		

## GetReportMailingJobsResponse

GetReportMailingJobsResponse

Field Name	Required	Type	Description	Format
description		String		
emailAttachmentFileFormat		EnumOptionData		
emailMessage		String		
emailRecipients		String		
emailSubject		String		
id		Long		int64
isActive		Boolean		
name		String		
nextRunDateTime		Date		date-time
numberOfRuns		Integer		int32
recurrence		String		
runAsUserId		Long		int64
startDateTime		Date		date-time
stretchyReport		Object		
stretchyReportParamMap		String		
timeline		Object		

## GetReportMailingJobsTemplate

GetReportMailingJobsTemplate

Field Name	Required	Type	Description	Format
emailAttachmentFileFormatOptions		List of <a href="#">EnumOptionData</a>		
isActive		Boolean		

Field Name	Required	Type	Description	Format
stretchyReportParamDateOptions		List of <a href="#">EnumOptionData</a>		

## *GetReportsResponse*

GetReportsResponse

Field Name	Required	Type	Description	Format
coreReport		Boolean		
description		String		
id		Long		int64
reportCategory		String		
reportName		String		
reportParameters		List of <a href="#">[object]</a>		
reportSql		String		
reportSubType		String		
reportType		String		
useReport		Boolean		

## *GetReportsTemplateResponse*

GetReportsTemplateResponse

Field Name	Required	Type	Description	Format
allowedParameters		List of <a href="#">[object]</a>		
allowedReportSubTypes		List of <a href="#">[string]</a>		
allowedReportTypes		List of <a href="#">[string]</a>		

## *GetResourceTypeResourceIdNotesNoteIdResponse*

GetResourceTypeResourceIdNotesNoteIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
createdById		Integer		int32
createdByUsername		String		
createdOn		Date		date-time
id		Integer		int32
note		String		
noteType		GetNotesNoteType		
updatedById		Integer		int32
updatedByUsername		String		
updatedOn		Date		date-time

### *GetResourceTypeResourceIdNotesResponse*

GetResourceTypeResourceIdNotesResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
createdById		Integer		int32
createdByUsername		String		
createdOn		Date		date-time
id		Integer		int32
note		String		
noteType		GetNotesNoteType		
updatedById		Integer		int32
updatedByUsername		String		

Field Name	Required	Type	Description	Format
updatedAt		Date		date-time

## *GetRolesResponse*

GetRolesResponse

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
name		String		

## *GetRolesRoleIdPermissionsResponse*

GetRolesRoleIdPermissionsResponse

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
name		String		
permissionUsageData		List of <a href="#"><i>GetRolesRoleIdPermissionsResponsePermissionData</i></a>		

## *GetRolesRoleIdPermissionsResponsePermissionData*

Field Name	Required	Type	Description	Format
actionName		String		
code		String		
entityName		String		
grouping		String		
selected		Boolean		

## *GetRolesRoleIdResponse*

GetRolesRoleIdResponse

Field Name	Required	Type	Description	Format
description		String		
id		Long		int64
name		String		

## *GetRunReportColumnHeaders*

Field Name	Required	Type	Description	Format
columnName		String		
columnType		String		
columnValues		String		
isColumnNullable		Boolean		
isColumnPrimaryKey		Boolean		

## *GetRunReportResponse*

GetRunReportResponse

Field Name	Required	Type	Description	Format
columnHeaders		Set of <a href="#">GetRunReportColumnHeaders</a>		
data		Set of <a href="#">GetPocketData</a>		

## *GetSavingsAccountsAccountIdResponse*

GetSavingsAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
accountNo		String		

Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
currency		GetSavingsCurrency		
fieldOfficerId		Integer		int32
id		Integer		int32
interestCalculationDaysInYearType		GetSavingsInterestCalculationDaysInYearType		
interestCalculationType		GetSavingsInterestCalculationType		
interestCompoundingPeriodType		GetSavingsInterestCompoundingPeriodType		
interestPostingPeriodType		GetSavingsInterestPostingPeriodType		
nominalAnnualInterestRate		Double		double
savingsProductId		Integer		int32
savingsProductName		String		
status		GetSavingsStatus		
summary		GetSavingsAccountsSummary		
timeline		GetSavingsTimeline		

## *GetSavingsAccountsResponse*

GetSavingsAccountsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetSavingsPageItems</a>		

Field Name	Required	Type	Description	Format
totalFilteredRecords		Integer		int32

## *GetSavingsAccountsSavingsAccountIdChargesResponse*

GetSavingsAccountsSavingsAccountIdChargesResponse

Field Name	Required	Type	Description	Format
accountId		Integer		int32
amount		Float		float
amountOrPercentage		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountPercentageAppliedTo		Double		double
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetChargesChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetChargesChargeTimeType		
currency		GetChargesCurrencyResponse		
id		Integer		int32
name		String		
penalty		Boolean		
percentage		Double		double



## *GetSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse*

GetSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse

Field Name	Required	Type	Description	Format
amount		Float		float
amountOrPercentage		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountPercentageAppliedTo		Double		double
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetChargesChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetChargesChargeTimeType		
currency		GetChargesCurrencyResponse		
id		Integer		int32
name		String		
penalty		Boolean		
percentage		Double		double

## *GetSavingsAccountsSavingsAccountIdChargesTemplateResponse*

GetSavingsAccountsSavingsAccountIdChargesTemplateResponse

Field Name	Required	Type	Description	Format
amountPaid		Float		float
amountWaived		Float		float
amountWrittenOff		Float		float

Field Name	Required	Type	Description	Format
chargeOptions		Set of <a href="#">GetSavingsChargesOptions</a>		
penalty		Boolean		

### *GetSavingsAccountsSummary*

Field Name	Required	Type	Description	Format
accountBalance		Integer		int32
availableBalance		Integer		int32
currency		GetSavingsCurrency		

### *GetSavingsAccountsTemplateResponse*

GetSavingsAccountsTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
clientName		String		
productOptions		Set of <a href="#">GetSavingsProductOptions</a>		

### *GetSavingsAssetLiabilityType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsChargePaymentMode*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsChargesChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsChargesOptions*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Float		float

Field Name	Required	Type	Description	Format
chargeCalculationType		GetChargesChargeCalculationType		
chargeTimeType		GetSavingsChargesChargeTimeType		
chargesAppliesTo		GetChargesAppliesTo		
currency		GetChargesCurrencyResponse		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetSavingsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetSavingsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsPageItems*

Field Name	Required	Type	Description	Format
accountNo		String		
clientId		Integer		int32
clientName		String		
currency		GetSavingsCurrency		
fieldOfficerId		Integer		int32
id		Integer		int32
interestCalculationDaysInYearType		GetSavingsInterestCalculationDaysInYearType		

Field Name	Required	Type	Description	Format
interestCalculationType		GetSavingsInterestCalculationType		
interestCompoundingPeriodType		GetSavingsInterestCompoundingPeriodType		
interestPostingPeriodType		GetSavingsInterestPostingPeriodType		
nominalAnnualInterestRate		Double		double
savingsProductId		Integer		int32
savingsProductName		String		
status		GetSavingsStatus		
summary		GetSavingsSummary		
timeline		GetSavingsTimeline		

### *GetSavingsProductOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetSavingsProductsAccountingMappingOptions*

Field Name	Required	Type	Description	Format
assetAccountOptions		Set of <a href="#">GetSavingsProductsAssetAccountOptions</a>		
expenseAccountOptions		Set of <a href="#">GetSavingsProductsExpenseAccountOptions</a>		

Field Name	Required	Type	Description	Format
incomeAccountOptions		Set of <a href="#">GetSavingsProductsIncomeAccountOptions</a>		
liabilityAccountOptions		Set of <a href="#">GetSavingsProductsLiabilityAccountOptions</a>		

### *GetSavingsProductsAccountingMappings*

Field Name	Required	Type	Description	Format
incomeFromFeeAccount		GetSavingsProductsIncomeFromFeeAccount		
incomeFromPenaltyAccount		GetSavingsProductsIncomeFromPenaltyAccount		
interestOnSavingsAccount		GetSavingsProductsInterestOnSavingsAccount		
savingsControlAccount		GetSavingsProductsSavingsControlAccount		
savingsReferenceAccount		GetSavingsProductsSavingsReferenceAccount		
transfersInSuspenseAccount		GetSavingsProductsTransfersInSuspenseAccount		

### *GetSavingsProductsAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32

Field Name	Required	Type	Description	Format
value		String		

### *GetSavingsProductsAssetAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
tagId		Object		
type		GetSavingsAssetLiabilityType		
usage		GetSavingsProductsLiabilityUsage		

### *GetSavingsProductsChargeAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsProductsChargeOptions*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Long		int64
chargeAppliesTo		GetSavingsProductsChargeAppliesTo		



Field Name	Required	Type	Description	Format
chargeCalculationType		GetSavingsChargeCalculationType		
chargePaymentMode		GetSavingsChargePaymentMode		
chargeTimeType		GetSavingsChargeTimeType		
currency		GetSavingsCurrency		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetSavingsProductsExpenseAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
tagId		Object		
type		GetSavingsProductsExpenseType		
usage		GetSavingsProductsLiabilityUsage		

### *GetSavingsProductsExpenseType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsProductsFeeToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetSavingsProductsFeeToIncomeAccountMappingsCharge		
incomeAccount		GetSavingsProductsFeeToIncomeAccountMappingsIncomeAccount		

### *GetSavingsProductsFeeToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetSavingsProductsFeeToIncomeAccountMappingsIncomeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsFundSourceAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsIncomeAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
tagId		Object		
type		GetSavingsProductsIncomeType		
usage		GetSavingsProductsLiabilityUsage		

### *GetSavingsProductsIncomeFromFeeAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsIncomeFromPenaltyAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsIncomeType*

Field Name	Required	Type	Description	Format
code		String		

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

### *GetSavingsProductsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsInterestOnSavingsAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsLiabilityAccountOptions*

Field Name	Required	Type	Description	Format
disabled		Boolean		
glCode		Integer		int32
id		Integer		int32
manualEntriesAllowed		Boolean		
name		String		
nameDecorated		String		
tagId		GetSavingsProductsLiabilityTagId		
type		GetSavingsProductsLiabilityType		
usage		GetSavingsProductsLiabilityUsage		

### *GetSavingsProductsLiabilityTagId*

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetSavingsProductsLiabilityType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetSavingsProductsLiabilityUsage*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSavingsProductsLockinPeriodFrequencyTypeOptions*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsPaymentChannelToFundSourceMappings*

Field Name	Required	Type	Description	Format
fundSourceAccount		GetSavingsProductsFundSourceAccount		
paymentType		GetSavingsProductsPaymentType		

### *GetSavingsProductsPaymentType*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetSavingsProductsPaymentTypeOptions*

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32
isCashPayment		Boolean		
name		String		
position		Integer		int32

### *GetSavingsProductsPenaltyToIncomeAccountMappings*

Field Name	Required	Type	Description	Format
charge		GetSavingsProductsPenaltyToIncomeAccountMappingsCharge		
incomeAccount		GetSavingsProductsIncomeFromPenaltyAccount		

### *GetSavingsProductsPenaltyToIncomeAccountMappingsCharge*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Integer		int32
name		String		
penalty		Boolean		

### *GetSavingsProductsProductIdResponse*

GetSavingsProductsProductIdResponse

Field Name	Required	Type	Description	Format
accountingMappings		GetSavingsProductsAccountingMappings		
accountingRule		GetSavingsProductsAccountingRule		
charges		List of <a href="#">[integer]</a>		int32
currency		GetSavingsCurrency		
description		String		
feeToIncomeAccountMappings		Set of <a href="#">GetSavingsProductsFeeToIncomeAccountMappings</a>		
id		Integer		int32
interestCalculationDaysInYearType		GetSavingsProductsInterestCalculationDaysInYearType		
interestCalculationType		GetSavingsProductsInterestCalculationType		
interestCompoundingPeriodType		GetSavingsProductsInterestCompoundingPeriodType		
interestPostingPeriodType		GetSavingsProductsInterestPostingPeriodType		
name		String		
nominalAnnualInterestRate		BigDecimal		
paymentChannelToFundSourceMappings		Set of <a href="#">GetSavingsProductsPaymentChannelToFundSourceMappings</a>		



Field Name	Required	Type	Description	Format
penaltyToIncomeAccountMappings		Set of <a href="#">GetSavingsProductsPenaltyToIncomeAccountMappings</a>		
shortName		String		
withdrawalFeeForTransfers		Boolean		

## *GetSavingsProductsResponse*

GetSavingsProductsResponse

Field Name	Required	Type	Description	Format
accountingRule		GetSavingsProductsAccountingRule		
currency		GetSavingsCurrency		
description		String		
id		Integer		int32
interestCalculationDaysInYearType		GetSavingsProductsInterestCalculationDaysInYearType		
interestCalculationType		GetSavingsProductsInterestCalculationType		
interestCompoundingPeriodType		GetSavingsProductsInterestCompoundingPeriodType		
interestPostingPeriodType		GetSavingsProductsInterestPostingPeriodType		
name		String		
nominalAnnualInterestRate		BigDecimal		
shortName		String		

Field Name	Required	Type	Description	Format
withdrawalFeeForTransfers		Boolean		

### *GetSavingsProductsSavingsControlAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsSavingsReferenceAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsTemplateAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
id		Integer		int32
value		String		

### *GetSavingsProductsTemplateResponse*

GetSavingsProductsTemplateResponse

Field Name	Required	Type	Description	Format
accountMapping		GetSavingsCurrency		

Field Name	Required	Type	Description	Format
accountingMappingOptions		GetSavingsProductsAccountingMappingOptions		
accountingRule		GetSavingsProductsTemplateAccountingRule		
accountingRuleOptions		Set of <a href="#">GetSavingsProductsTemplateAccountingRule</a>		
chargeOptions		Set of <a href="#">GetSavingsProductsChargeOptions</a>		
currency		GetSavingsCurrency		
currencyOptions		Set of <a href="#">GetSavingsCurrency</a>		
interestCalculationDaysInYearType		GetSavingsProductsInterestCalculationDaysInYearType		
interestCalculationDaysInYearTypeOptions		Set of <a href="#">GetSavingsProductsInterestCalculationDaysInYearType</a>		
interestCalculationType		GetSavingsProductsInterestCalculationType		
interestCalculationTypeOptions		Set of <a href="#">GetSavingsProductsInterestCalculationType</a>		
interestCompoundingPeriodType		GetSavingsProductsInterestCompoundingPeriodType		

Field Name	Required	Type	Description	Format
interestCompoundingPeriodTypeOptions		Set of <a href="#">GetSavingsProductsInterestCompoundingPeriodType</a>		
interestPostingPeriodType		GetSavingsProductInterestPostingPeriodType		
interestPostingPeriodTypeOptions		Set of <a href="#">GetSavingsProductsInterestPostingPeriodType</a>		
lockinPeriodFrequencyTypeOptions		Set of <a href="#">GetSavingsProductsLockinPeriodFrequencyTypeOptions</a>		
paymentTypeOptions		Set of <a href="#">GetSavingsProductsPaymentTypeOptions</a>		
withdrawalFeeTypeOptions		Set of <a href="#">GetSavingsProductsWithdrawalFeeTypeOptions</a>		

### *GetSavingsProductsTransfersInSuspenseAccount*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetSavingsProductsWithdrawalFeeTypeOptions*

Field Name	Required	Type	Description	Format
code		String		

Field Name	Required	Type	Description	Format
id		Integer		int32
value		String		

### *GetSavingsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		
value		String		
withdrawnByApplicant		Boolean		

### *GetSavingsSummary*

Field Name	Required	Type	Description	Format
accountBalance		Integer		int32
currency		GetSavingsCurrency		

### *GetSavingsTimeline*

Field Name	Required	Type	Description	Format
activatedOnDate		date		date
approvedByFirstname		String		

Field Name	Required	Type	Description	Format
approvedByLastname		String		
approvedByUsername		String		
approvedOnDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetSchedulerResponse*

GetSchedulerResponse

Field Name	Required	Type	Description	Format
active		Boolean		

### *GetSearchResponse*

GetSearchResponse

Field Name	Required	Type	Description	Format
entityAccountNo		Long		int64
entityExternalId		String		
entityId		Long		int64
entityName		String		
entityStatus		EnumOptionData		
entityType		String		
parentId		Long		int64
parentName		String		

### *GetSelfBeneficiariesAccountOptions*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfBeneficiariesTPTResponse*

GetSelfBeneficiariesTPTResponse

Field Name	Required	Type	Description	Format
accountNumber		Long		int64
accountType		GetSelfBeneficiariesAccountOptions		
clientName		String		
id		Integer		int32
name		String		
officeName		String		
transferLimit		Integer		int32

### *GetSelfBeneficiariesTPPTemplateResponse*

GetSelfBeneficiariesTPPTemplateResponse

Field Name	Required	Type	Description	Format
accountTypeOptions		Set of <a href="#">GetSelfBeneficiariesAccountOptions</a>		

### *GetSelfClientsChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		

Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetSelfClientsChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfClientsChargesPageItems*

Field Name	Required	Type	Description	Format
amount		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetSelfClientsChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetSelfClientsChargeTimeType		
clientId		Integer		int32
currency		GetSelfClientsSavingsAccountsCurrency		
dueDate		date		date
id		Integer		int32
isActive		Boolean		
isPaid		Boolean		
isWaived		Boolean		



Field Name	Required	Type	Description	Format
name		String		
penalty		Boolean		

### *GetSelfClientsClientIdAccountsResponse*

GetSelfClientsClientIdAccountsResponse

Field Name	Required	Type	Description	Format
loanAccounts		Set of <a href="#">GetSelfClientsLoanAccounts</a>		
savingsAccounts		Set of <a href="#">GetSelfClientsSavingsAccounts</a>		

### *GetSelfClientsClientIdChargesChargeIdResponse*

GetSelfClientsClientIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
amount		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetSelfClientsChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetSelfClientsChargeTimeType		
clientId		Integer		int32
currency		GetSelfClientsSavingsAccountsCurrency		

Field Name	Required	Type	Description	Format
dueDate		date		date
id		Integer		int32
isActive		Boolean		
isPaid		Boolean		
isWaived		Boolean		
name		String		
penalty		Boolean		

### *GetSelfClientsClientIdChargesResponse*

GetSelfClientsClientIdChargesResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetSelfClientsChargesPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetSelfClientsClientIdResponse*

GetSelfClientsClientIdResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
activationDate		date		date
active		Boolean		
displayName		String		
firstname		String		
groups		List of <a href="#">[string]</a>		
id		Integer		int32
lastname		String		
officeId		Integer		int32

Field Name	Required	Type	Description	Format
officeName		String		
savingsProductId		Integer		int32
savingsProductName		String		
status		GetSelfClientsStatus		
timeline		GetSelfClientsTimeline		

### *GetSelfClientsClientIdTransactionsPageItems*

Field Name	Required	Type	Description	Format
amount		Double		double
currency		GetSelfClientsSavingsAccountsCurrency		
date		date		date
id		Integer		int32
officeId		Integer		int32
officeName		String		
reversed		Boolean		
submittedOnDate		date		date
type		GetSelfClientsClientIdTransactionsType		

### *GetSelfClientsClientIdTransactionsResponse*

GetSelfClientsClientIdTransactionsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetSelfClientsClientIdTransactionsPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetSelfClientsClientIdTransactionsTransactionIdResponse*

GetSelfClientsClientIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
amount		Float		float
currency		GetSelfClientsSavingsAccountsCurrency		
date		date		date
id		Integer		int32
officeId		Integer		int32
officeName		String		
reversed		Boolean		
submittedOnDate		date		date
type		GetSelfClientsClientIdTransactionsType		

### *GetSelfClientsClientIdTransactionsType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfClientsLoanAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
externalId		Integer		int32
id		Integer		int32
loanCycle		Integer		int32
loanType		GetSelfClientsLoanAccountsType		
productId		Integer		int32
productName		String		
status		GetSelfClientsLoanAccountsStatus		

### *GetSelfClientsLoanAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		
waitingForDisbursal		Boolean		

### *GetSelfClientsLoanAccountsType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfClientsPageItems*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
activationDate		date		date
active		Boolean		
displayName		String		
fullname		String		
id		Integer		int32
officeId		Integer		int32
officeName		String		
status		GetSelfClientsStatus		

### *GetSelfClientsResponse*

GetSelfClientsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetSelfClientsPageItems</a>		
totalFilteredRecords		Integer		int32

### *GetSelfClientsSavingsAccounts*

Field Name	Required	Type	Description	Format
accountNo		Long		int64

Field Name	Required	Type	Description	Format
currency		GetSelfClientsSavingsAccountsCurrency		
id		Integer		int32
productId		Integer		int32
productName		String		
status		GetSelfClientsSavingsAccountsStatus		

### *GetSelfClientsSavingsAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetSelfClientsSavingsAccountsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		

Field Name	Required	Type	Description	Format
withdrawnByApplicant		Boolean		

### *GetSelfClientsStatus*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfClientsTimeline*

Field Name	Required	Type	Description	Format
activatedByFirstname		String		
activatedByLastname		String		
activatedByUsername		String		
activatedOnDate		date		date
submittedByFirstname		String		
submittedByLastname		String		
submittedByUsername		String		
submittedOnDate		date		date

### *GetSelfLoansChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		



Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetSelfLoansChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfLoansLoanIdChargesResponse*

GetSelfLoansLoanIdChargesResponse

Field Name	Required	Type	Description	Format
amount		Float		float
amountOrPercentage		Float		float
amountOutstanding		Float		float
amountPaid		Float		float
amountPercentageAppliedTo		Double		double
amountWaived		Float		float
amountWrittenOff		Float		float
chargeCalculationType		GetSelfLoansChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetSelfLoansChargeTimeType		
currency		GetLoanCurrency		
id		Integer		int32
name		String		
penalty		Boolean		

Field Name	Required	Type	Description	Format
percentage		Double		double

## *GetSelfLoansLoanIdResponse*

GetSelfLoansLoanIdResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amortizationType		GetLoansLoanIdAmortizationType		
annualInterestRate		Integer		int32
clientId		Integer		int32
clientName		String		
clientOfficeId		Integer		int32
currency		GetLoansLoanIdCurrency		
id		Long		int64
interestCalculationPeriodType		GetLoansLoanIdInterestCalculationPeriodType		
interestRateFrequencyType		GetLoansLoanIdInterestRateFrequencyType		
interestRatePerPeriod		Integer		int32
interestType		GetLoansLoanIdInterestType		
loanOfficerId		Integer		int32
loanOfficerName		String		
loanProductDescription		String		
loanProductId		Integer		int32
loanProductName		String		
loanPurposeId		Integer		int32

Field Name	Required	Type	Description	Format
loanPurposeName		String		
loanType		GetLoansLoanIdLoanType		
numberOfRepayments		Integer		int32
principal		Long		int64
repaymentEvery		Integer		int32
repaymentFrequencyType		GetLoansLoanIdRepaymentFrequencyType		
status		GetLoansLoanIdStatus		
summary		GetLoansLoanIdSummary		
termFrequency		Integer		int32
termPeriodFrequencyType		GetLoansLoanIdTermPeriodFrequencyType		
timeline		GetLoansLoanIdTimeline		
transactionProcessingStrategyId		Integer		int32

### *GetSelfLoansLoanIdTransactionsTransactionIdResponse*

GetSelfLoansLoanIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
amount		Float		float
currency		GetLoanCurrency		
date		date		date
id		Integer		int32
interestPortion		Float		float
manuallyReversed		Boolean		

Field Name	Required	Type	Description	Format
type		GetSelfLoansLoanIdTransactionsType		

### *GetSelfLoansLoanIdTransactionsType*

Field Name	Required	Type	Description	Format
code		String		
contra		Boolean		
description		String		
disbursement		Boolean		
id		Integer		int32
recoveryRepayment		Boolean		
repayment		Boolean		
repaymentAtDisbursement		Boolean		
waiveCharges		Boolean		
waiveInterest		Boolean		
writeOff		Boolean		

### *GetSelfLoansProductOptions*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetSelfLoansTemplateResponse*

GetSelfLoansTemplateResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32

Field Name	Required	Type	Description	Format
clientName		String		
clientOfficeId		Integer		int32
productOptions		Set of <a href="#">GetSelfLoansProductOptions</a>		
timeline		GetSelfLoansTimeline		

### *GetSelfLoansTimeline*

Field Name	Required	Type	Description	Format
expectedDisbursementDate		date		date

### *GetSelfSavingsAccountsAccountIdChargesResponse*

GetSelfSavingsAccountsAccountIdChargesResponse

Field Name	Required	Type	Description	Format
accountId		Integer		int32
amount		Integer		int32
amountOrPercentage		Integer		int32
amountOutstanding		Integer		int32
amountPaid		Integer		int32
amountPercentageAppliedTo		Double		double
amountWaived		Integer		int32
amountWrittenOff		Integer		int32
chargeCalculationType		GetSelfSavingsChargeCalculationType		
chargeId		Integer		int32

Field Name	Required	Type	Description	Format
chargeTimeType		GetSelfSavingsChargeTimeType		
currency		GetSelfSavingsCurrency		
id		Integer		int32
name		String		
penalty		Boolean		
percentage		Double		double

### *GetSelfSavingsAccountsAccountIdChargesSavingsAccountChargeIdResponse*

GetSelfSavingsAccountsAccountIdChargesSavingsAccountChargeIdResponse

Field Name	Required	Type	Description	Format
amount		Integer		int32
amountOrPercentage		Integer		int32
amountOutstanding		Integer		int32
amountPaid		Integer		int32
amountPercentageAppliedTo		Double		double
amountWaived		Integer		int32
amountWrittenOff		Integer		int32
chargeCalculationType		GetSelfSavingsChargeCalculationType		
chargeId		Integer		int32
chargeTimeType		GetSelfSavingsChargeTimeType		
currency		GetSelfSavingsCurrency		
id		Integer		int32
name		String		

Field Name	Required	Type	Description	Format
penalty		Boolean		
percentage		Double		double

### *GetSelfSavingsAccountsAccountIdTransactionsTransactionIdResponse*

GetSelfSavingsAccountsAccountIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
accountId		Integer		int32
accountNo		Long		int64
amount		Integer		int32
currency		GetSelfSavingsTransactionCurrency		
date		date		date
id		Integer		int32
paymentDetailData		GetSelfSavingsPaymentDetailData		
reversed		Boolean		
runningBalance		Integer		int32
transactionType		GetSelfSavingsTransactionType		

### *GetSelfSavingsAccountsResponse*

GetSelfSavingsAccountsResponse

Field Name	Required	Type	Description	Format
accountNo		Long		int64
clientId		Integer		int32
clientName		String		
currency		GetSelfSavingsCurrency		
fieldOfficerId		Integer		int32

Field Name	Required	Type	Description	Format
id		Integer		int32
interestCalculationDaysInYearType		GetSelfSavingsInterestCalculationDaysInYearType		
interestCalculationType		GetSelfSavingsInterestCalculationType		
interestCompoundingPeriodType		GetSelfSavingsInterestCompoundingPeriodType		
interestPostingPeriodType		GetSelfSavingsInterestPostingPeriodType		
nominalAnnualInterestRate		Double		double
savingsProductId		Integer		int32
savingsProductName		String		
status		GetSelfSavingsStatus		
summary		GetSelfSavingsSummary		
timeline		GetSelfSavingsTimeline		

### *GetSelfSavingsChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsChargeTimeType*



Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetSelfSavingsInterestCalculationDaysInYearType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsInterestCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsInterestCompoundingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsInterestPostingPeriodType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfSavingsPaymentDetailData*

Field Name	Required	Type	Description	Format
accountNumber		Integer		int32
bankNumber		Integer		int32
checkNumber		Integer		int32
id		Integer		int32
paymentType		GetSelfSavingsPaymentType		
receiptNumber		Integer		int32
routingCode		Integer		int32

### *GetSelfSavingsPaymentType*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetSelfSavingsStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
approved		Boolean		
closed		Boolean		
code		String		
description		String		
id		Integer		int32
rejected		Boolean		
submittedAndPendingApproval		Boolean		
withdrawnByApplicant		Boolean		

### *GetSelfSavingsSummary*

Field Name	Required	Type	Description	Format
accountBalance		Integer		int32
currency		GetSelfSavingsCurrency		

### *GetSelfSavingsTimeline*

Field Name	Required	Type	Description	Format
submittedOnDate		date		date

### *GetSelfSavingsTransactionCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
inMultiplesOf		Integer		int32

Field Name	Required	Type	Description	Format
name		String		
nameCode		String		

### *GetSelfSavingsTransactionType*

Field Name	Required	Type	Description	Format
code		String		
deposit		Boolean		
description		String		
feeDeduction		Boolean		
id		Integer		int32
interestPosting		Boolean		
withdrawal		Boolean		

### *GetSelfUserDetailsOrganisationalRole*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSelfUserDetailsResponse*

GetSelfUserDetailsResponse

Field Name	Required	Type	Description	Format
authenticated		Boolean		
base64EncodedAuthenticationKey		String		
clients		List of <a href="#">[integer]</a>		int32
isSelfServiceUser		Boolean		
officeId		Integer		int32

Field Name	Required	Type	Description	Format
officeName		String		
organisationalRole		GetSelfUserDetails OrganisationalRole		
permissions		List of <a href="#">[string]</a>		
roles		Set of <a href="#">GetSelfUserDetailsRoles</a>		
staffDisplayName		String		
staffId		Integer		int32
userId		Integer		int32
username		String		

### *GetSelfUserDetailsRoles*

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32
name		String		

### *GetShareAccountsChargeAppliesTo*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsChargeCalculationType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsChargeOptions*

Field Name	Required	Type	Description	Format
active		Boolean		
amount		Integer		int32
calculationType		GetShareAccountsChargeCalculationType		
chargeAppliesTo		GetShareAccountsChargeAppliesTo		
chargeTimeType		GetShareAccountsChargeTimeType		
currency		GetShareAccountsCurrency		
id		Integer		int32
name		String		
paymentMode		GetShareAccountsChargePaymentMode		
penalty		Boolean		

### *GetShareAccountsChargePaymentMode*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsChargeTimeType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsClientIdProductIdAccountingRule*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsClientIdProductIdLockPeriodTypeEnum*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsClientIdProductIdMinimumActivePeriodForDividendsTypeEnum*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetShareAccountsClientIdProductIdResponse*

GetShareAccountsClientIdProductIdResponse

Field Name	Required	Type	Description	Format
chargeOptions		Set of <a href="#"><i>GetClientIdProductIdChargeOptions</i></a>		
productOptions		Set of <a href="#"><i>GetClientIdProductIdProductOptions</i></a>		

### *GetShareAccountsCurrency*

Field Name	Required	Type	Description	Format
code		String		
decimalPlaces		Integer		int32
displayLabel		String		
displaySymbol		String		
name		String		
nameCode		String		

### *GetShareAccountsIncomeFromFeeAccountId*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetShareAccountsShareEquityId*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetShareAccountsShareReferenceId*

Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetShareAccountsShareSuspenseId*



Field Name	Required	Type	Description	Format
glCode		Integer		int32
id		Integer		int32
name		String		

### *GetShareEquityId*

Field Name	Required	Type	Description	Format
glCode		String		
id		Integer		int32
name		String		

### *GetShareReferenceId*

Field Name	Required	Type	Description	Format
glCode		String		
id		Integer		int32
name		String		

### *GetShareSuspenseId*

Field Name	Required	Type	Description	Format
glCode		String		
id		Integer		int32
name		String		

### *GetStandingInstructionHistoryFromAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Long		int64
productId		Long		int64

Field Name	Required	Type	Description	Format
productName		String		

### *GetStandingInstructionHistoryPageItemsFromClient*

Field Name	Required	Type	Description	Format
displayName		String		
id		Long		int64
officeId		Long		int64
officeName		String		

### *GetStandingInstructionHistoryPageItemsResponse*

Field Name	Required	Type	Description	Format
amount		Float		float
errorLog		String		
executionTime		date		date
fromAccount		GetStandingInstructionHistoryFromAccount		
fromAccountType		GetFromAccountTypeStandingInstructionSwagger		
fromClient		GetStandingInstructionHistoryPageItemsFromClient		
fromOffice		GetFromOfficeStandingInstructionSwagger		
name		String		
standingInstructionId		Long		int64
status		String		

Field Name	Required	Type	Description	Format
toAccount		GetStandingInstructionHistoryToAccount		
toAccountType		GetToAccountTypeStandingInstructionSwagger		
toClient		GetStandingInstructionHistoryToClient		
toOffice		GetToOfficeStandingInstructionSwagger		

### *GetStandingInstructionHistoryToAccount*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Long		int64
productId		Long		int64
productName		String		

### *GetStandingInstructionHistoryToClient*

Field Name	Required	Type	Description	Format
displayName		String		
id		Long		int64
officeId		Long		int64
officeName		String		

### *GetStandingInstructionRunHistoryResponse*

GetStandingInstructionRunHistoryResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetStandingInstructionHistoryPageItemsResponse</a>		
totalFilteredRecords		Integer		int32

## *GetStandingInstructionsResponse*

GetStandingInstructionsResponse

Field Name	Required	Type	Description	Format
pageItems		Set of <a href="#">GetPageItemsStandingInstructionSwagger</a>		
totalFilteredRecords		Integer		int32

## *GetStandingInstructionsStandingInstructionIdResponse*

GetStandingInstructionsStandingInstructionIdResponse

Field Name	Required	Type	Description	Format
accountDetailId		Long		int64
amount		Float		float
fromAccount		GetFromAccountStandingInstructionSwagger		
fromAccountType		GetFromAccountTypeStandingInstructionSwagger		
fromClient		GetFromClientStandingInstructionSwagger		

Field Name	Required	Type	Description	Format
fromOffice		GetFromOfficeStandingInstructionSwagger		
id		Long		int64
instructionType		GetInstructionTypeStandingInstructionSwagger		
name		String		
priority		GetPriorityStandingInstructionSwagger		
recurrenceFrequency		GetRecurrenceFrequencyStandingInstructionSwagger		
recurrenceInterval		Integer		int32
recurrenceOnMonthDay		date		date
recurrenceType		GetRecurrenceTypeStandingInstructionSwagger		
status		GetStatusStandingInstructionSwagger		
toAccount		GetToAccountStandingInstructionSwagger		
toAccountType		GetToAccountTypeStandingInstructionSwagger		
toClient		GetToClientStandingInstructionSwagger		
toOffice		GetToOfficeStandingInstructionSwagger		

Field Name	Required	Type	Description	Format
transferType		GetTransferTypeStandingInstructionSwagger		
validFrom		date		date

## *GetStandingInstructionsTemplateResponse*

GetStandingInstructionsTemplateResponse

Field Name	Required	Type	Description	Format
fromAccountType		GetFromAccountTypeResponseStandingInstructionSwagger		
fromAccountTypeOptions		Set of <a href="#"><i>GetFromAccountTypeOptionsResponseStandingInstructionSwagger</i></a>		
fromClientOptions		Set of <a href="#"><i>GetFromClientOptionsResponseStandingInstructionSwagger</i></a>		
fromOffice		GetFromOfficeResponseStandingInstructionSwagger		
fromOfficeOptions		Set of <a href="#"><i>GetFromOfficeOptionsResponseStandingInstructionSwagger</i></a>		
instructionTypeOptions		Set of <a href="#"><i>GetInstructionTypeOptionsResponseStandingInstructionSwagger</i></a>		

Field Name	Required	Type	Description	Format
priorityOptions		Set of <a href="#">GetPriorityOptionsResponseStandingInstructionSwagger</a>		
recurrenceFrequencyOptions		Set of <a href="#">GetRecurrenceFrequencyOptionsResponseStandingInstructionSwagger</a>		
recurrenceTypeOptions		Set of <a href="#">GetRecurrenceTypeOptionsResponseStandingInstructionSwagger</a>		
statusOptions		Set of <a href="#">GetStatusOptionsResponseStandingInstructionSwagger</a>		
toAccountTypeOptions		Set of <a href="#">GetToAccountTypeOptionsResponseStandingInstructionSwagger</a>		
toOfficeOptions		Set of <a href="#">GetToOfficeOptionsResponseStandingInstructionSwagger</a>		
transferTypeOptions		Set of <a href="#">GetTransferTypeOptionsResponseStandingInstructionSwagger</a>		

### *GetStatusOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		

Field Name	Required	Type	Description	Format
description		String		
id		Integer		int32

### *GetStatusStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetSurveyResponse*

GetSurveyResponse

Field Name	Required	Type	Description	Format
datatableData		GetSurveyResponseDatatableData		
enabled		Boolean		

### *GetSurveyResponseDatatableData*

Field Name	Required	Type	Description	Format
applicationTableName		String		
columnHeaderData		List of <a href="#">ResultSetColumnHeaderData</a>		
registeredTableName		String		

### *GetTaxesComponentsCreditAccount*



Field Name	Required	Type	Description	Format
glCode		String		
id		Integer		int32
name		String		

### *GetTaxesComponentsCreditAccountType*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetTaxesComponentsResponse*

GetTaxesComponentsResponse

Field Name	Required	Type	Description	Format
creditAccount		GetTaxesComponentsCreditAccount		
creditAccountType		GetTaxesComponentsCreditAccountType		
id		Integer		int32
name		String		
percentage		Float		float
startDate		date		date
taxComponentsHistories		Set of <a href="#">[object]</a>		

### *GetTaxesGroupResponse*

GetTaxesGroupResponse

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
taxAssociations		Set of <a href="#">GetTaxesGroupTaxAssociations</a>		

### *GetTaxesGroupTaxAssociations*

Field Name	Required	Type	Description	Format
id		Integer		int32
startDate		date		date
taxComponent		GetTaxesGroupTax Component		

### *GetTaxesGroupTaxComponent*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		

### *GetTellersResponse*

GetTellersResponse

Field Name	Required	Type	Description	Format
creditAccountId		Long		int64
debitAccountId		Long		int64
id		Long		int64
name		String		
officeId		Long		int64
officeName		String		
startDate		date		date

Field Name	Required	Type	Description	Format
status		String		Enum: INVALID, PENDING, ACTIVE, INACTIVE, CLOSED,

### *GetTellersTellerIdCashiersCashierIdResponse*

GetTellersTellerIdCashiersCashierIdResponse

Field Name	Required	Type	Description	Format
description		String		
endDate		date		date
endTime		String		
id		Long		int64
isFullDay		Boolean		
staffId		Long		int64
staffName		String		
startDate		date		date
startTime		String		
tellerId		Long		int64
tellerName		String		

### *GetTellersTellerIdCashiersCashiersIdSummaryAndTransactionsResponse*

GetTellersTellerIdCashiersCashiersIdSummaryAndTransactionsResponse

Field Name	Required	Type	Description	Format
cashierId		Long		int64
cashierName		String		

Field Name	Required	Type	Description	Format
cashierTransactions		PageCashierTransactionsData		
netCash		BigDecimal		
officeName		String		
sumCashAllocation		BigDecimal		
sumCashSettlement		BigDecimal		
sumInwardCash		BigDecimal		
sumOutwardCash		BigDecimal		
tellerId		Long		int64
tellerName		String		

### *GetTellersTellerIdCashiersCashiersIdTransactionsResponse*

GetTellersTellerIdCashiersCashiersIdTransactionsResponse

Field Name	Required	Type	Description	Format
cashierId		Long		int64
cashierName		String		
createdDate		Date		date-time
entityId		Long		int64
entityType		String		
id		Long		int64
officeId		Long		int64
officeName		String		
tellerId		Long		int64
txnAmount		BigDecimal		
txnDate		Date		date-time
txnNote		String		
txnType		CashierTxnType		

## *GetTellersTellerIdCashiersCashiersIdTransactionsTemplateResponse*

GetTellersTellerIdCashiersCashiersIdTransactionsTemplateResponse

Field Name	Required	Type	Description	Format
cashierData		CashierData		
cashierId		Long		int64
cashierName		String		
currencyOptions		List of <a href="#">CurrencyData</a>		
endDate		date		date
officeName		String		
startDate		date		date
tellerId		Long		int64
tellerName		String		

## *GetTellersTellerIdCashiersResponse*

GetTellersTellerIdCashiersResponse

Field Name	Required	Type	Description	Format
cashiers		List of <a href="#">CashierData</a>		
officeId		Long		int64
officeName		String		
tellerId		Long		int64
tellerName		String		

## *GetTellersTellerIdCashiersTemplateResponse*

GetTellersTellerIdCashiersTemplateResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
officeName		String		
staffOptions		List of <a href="#">StaffData</a>		

Field Name	Required	Type	Description	Format
tellerId		Long		int64
tellerName		String		

### *GetTemplatesResponse*

GetTemplatesResponse

Field Name	Required	Type	Description	Format
entity		Long		int64
id		Long		int64
mappers		List of <a href="#">TemplateMapper</a>		
name		String		
text		String		
type		Long		int64

### *GetTemplatesTemplateIdResponse*

GetTemplatesTemplateIdResponse

Field Name	Required	Type	Description	Format
entity		Long		int64
id		Long		int64
mappers		List of <a href="#">TemplateMapper</a>		
name		String		
text		String		
type		Long		int64

### *GetTemplatesTemplateResponse*

GetTemplatesTemplateResponse

Field Name	Required	Type	Description	Format
entity		Long		int64
id		Long		int64
mappers		List of <a href="#">TemplateMapper</a>		
name		String		
text		String		
type		Long		int64

### *GetToAccountStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
id		Long		int64
productId		Long		int64
productName		String		

### *GetToAccountTypeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetToAccountTypeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetToClientStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
displayName		String		
id		Long		int64
officeId		Long		int64
officeName		String		

### *GetToOfficeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
id		Integer		int32
name		String		
nameDecorated		String		

### *GetToOfficeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		

### *GetTransferTypeOptionsResponseStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		
id		Integer		int32

### *GetTransferTypeStandingInstructionSwagger*

Field Name	Required	Type	Description	Format
code		String		
description		String		



Field Name	Required	Type	Description	Format
id		Integer		int32

### *GetUserDetailsResponse*

GetUserDetailsResponse

Field Name	Required	Type	Description	Format
accessToken		String		
authenticated		Boolean		
officeId		Long		int64
officeName		String		
organisationalRole		EnumOptionData		
permissions		List of <a href="#">[string]</a>		
roles		List of <a href="#">RoleData</a>		
staffDisplayName		String		
staffId		Long		int64
userId		Long		int64
username		String		

### *GetUsersResponse*

GetUsersResponse

Field Name	Required	Type	Description	Format
email		String		
firstname		String		
id		Long		int64
lastname		String		
officeId		Long		int64
officeName		String		
passwordNeverExpires		Boolean		

Field Name	Required	Type	Description	Format
selectedRoles		List of <a href="#">RoleData</a>		
staff		StaffData		
username		String		

### *GetUsersTemplateResponse*

GetUsersTemplateResponse

Field Name	Required	Type	Description	Format
allowedOffices		List of <a href="#">OfficeData</a>		
availableRoles		List of <a href="#">RoleData</a>		
selfServiceRoles		List of <a href="#">RoleData</a>		

### *GetUsersUserIdResponse*

GetUsersUserIdResponse

Field Name	Required	Type	Description	Format
availableRoles		List of <a href="#">RoleData</a>		
email		String		
firstname		String		
id		Long		int64
lastname		String		
officeId		Long		int64
officeName		String		
passwordNeverExpires		Boolean		
selectedRoles		List of <a href="#">RoleData</a>		
staff		StaffData		
username		String		

## *GetWorkingDaysResponse*

GetWorkingDaysResponse

Field Name	Required	Type	Description	Format
extendTermForDailyRepayments		Boolean		
id		Long		int64
recurrence		String		
repaymentRescheduleType		EnumOptionData		

## *GetWorkingDaysTemplateResponse*

GetWorkingDaysTemplateResponse

Field Name	Required	Type	Description	Format
repaymentRescheduleOptions		List of <a href="#">EnumOptionData</a>		

## *GlobalConfigurationPropertyData*

Field Name	Required	Type	Description	Format
dateValue		Date		date-time
description		String		
enabled		Boolean		
id		Long		int64
name		String		
stringValue		String		
trapDoor		Boolean		
value		Long		int64

## *GrantedAuthority*

Field Name	Required	Type	Description	Format
authority		String		

## Group

Field Name	Required	Type	Description	Format
accountNumberRequiresAutoGeneration		Boolean		
activationLocalDate		date		date
active		Boolean		
activeClientMembers		Set of <i>Client</i>		
center		Boolean		
childGroup		Boolean		
clientMembers		Set of <i>Client</i>		
closed		Boolean		
group		Boolean		
groupLevel		GroupLevel		
groupMembers		List of <i>Group</i>		
id		Long		int64
new		Boolean		
notActive		Boolean		
notPending		Boolean		
office		Office		
parent		Group		
pending		Boolean		
staff		Staff		
submittedOnDate		date		date
transferInProgress		Boolean		
transferInProgressOrOnHold		Boolean		

Field Name	Required	Type	Description	Format
transferOnHold		Boolean		

### *GroupLevel*

Field Name	Required	Type	Description	Format
center		Boolean		
group		Boolean		
id		Long		int64
levelName		String		
new		Boolean		
parentId		Long		int64
recursable		Boolean		
superParent		Boolean		

### *Grouping*

Field Name	Required	Type	Description	Format
entities		List of <a href="#">Entity</a>		
name		String		

### *Header*

Field Name	Required	Type	Description	Format
name		String		
value		String		

### *HookTemplateData*

Field Name	Required	Type	Description	Format
serviceId		Long		int64

### *IdDocument*

Field Name	Required	Type	Description	Format
idNumber		String		
idType		String		
issuerCountry		String		
otherIdDescription		String		

### *Image*

Field Name	Required	Type	Description	Format
id		Long		int64
location		String		
new		Boolean		
storageType		Integer		int32

### *InteropAccountData*

Field Name	Required	Type	Description	Format
changes		Map of <a href="#">[object]</a>		
clientId		Long		int64
creditReport		Map of <a href="#">[object]</a>		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
transactionId		String		

### InteropIdentifierAccountResponseData

Field Name	Required	Type	Description	Format
accountId	X	String		
changes		Map of [object]		
clientId		Long		int64
creditReport		Map of [object]		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
transactionId		String		

### InteropIdentifierRequestData

Field Name	Required	Type	Description	Format
accountId	X	String		
idType	X	String		Enum: MSISDN, EMAIL, PERSONAL_ID, BUSINESS, DEVICE, ACCOUNT_ID, IBAN, ALIAS,

Field Name	Required	Type	Description	Format
idValue	X	String		
subIdOrType		String		

### *InteropIdentifiersResponseData*

Field Name	Required	Type	Description	Format
changes		Map of [object]		
clientId		Long		int64
creditReport		Map of [object]		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
transactionId		String		

### *InteropKycResponseData*

Field Name	Required	Type	Description	Format
birthCountry		String		
changes		Map of [object]		
clientId		Long		int64
contactPhone		String		
creditReport		Map of [object]		
dateOfBirth		String		
emailAddress		String		



Field Name	Required	Type	Description	Format
gender		String		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
idDocument		List of <i>IdDocument</i>		
loanId		Long		int64
nationality		String		
officeId		Long		int64
postalAddress		PostalAddress		
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
subjectName		SubjectName		
transactionId		String		

### *InteropQuoteRequestData*

Field Name	Required	Type	Description	Format
accountId	X	String		
amount	X	MoneyData		
amountType	X	String		<i>Enum:</i> SEND, RECEIVE,
expiration		Date		date-time
expirationLocalDate		date		date
extensionList		List of <i>ExtensionData</i>		
fees		MoneyData		

Field Name	Required	Type	Description	Format
geoCode		GeoCodeData		
note		String		
quoteCode	X	String		
requestCode		String		
transactionCode	X	String		
transactionRole	X	String		Enum: PAYER, PAYEE,
transactionType		InteropTransaction TypeData		

### *InteropQuoteResponseData*

Field Name	Required	Type	Description	Format
changes		Map of <a href="#">[object]</a>		
clientId		Long		int64
creditReport		Map of <a href="#">[object]</a>		
expiration		String		
extensionList		List of <a href="#">ExtensionData</a>		
fspCommission		MoneyData		
fspFee		MoneyData		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
quoteCode	X	String		
rollbackTransaction		Boolean		
savingsId		Long		int64

Field Name	Required	Type	Description	Format
state	X	String		Enum: ACCEPTED, REJECTED,
subResourceId		Long		int64
transactionCode	X	String		
transactionId		String		

### *InteropTransactionRequestData*

Field Name	Required	Type	Description	Format
accountId	X	String		
amount	X	MoneyData		
expiration		Date		date-time
expirationLocalDate		date		date
extensionList		List of <a href="#">ExtensionData</a>		
geoCode		GeoCodeData		
note		String		
requestCode		String		
transactionCode	X	String		
transactionRole	X	String		Enum: PAYER, PAYEE,
transactionType		InteropTransaction TypeData		

### *InteropTransactionRequestResponseData*

Field Name	Required	Type	Description	Format
changes		Map of [object]		
clientId		Long		int64
creditReport		Map of [object]		
expiration		String		
extensionList		List of <i>ExtensionData</i>		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
requestCode	X	String		
rollbackTransaction		Boolean		
savingsId		Long		int64
state	X	String		<i>Enum:</i> ACCEPTE D, REJECT E D,
subResourceId		Long		int64
transactionCode	X	String		
transactionId		String		

### *InteropTransactionTypeData*

Field Name	Required	Type	Description	Format
initiator	X	String		<i>Enum:</i> PAYER, PAYEE,

Field Name	Required	Type	Description	Format
initiatorType	X	String		<i>Enum:</i> CONSUMER, AGENT, BUSINESS, DEVICE,
scenario	X	String		<i>Enum:</i> DEPOSIT, WITHDRAWAL, TRANSFER, PAYMENT, REFUND,
subScenario		String		

### *InteropTransactionsData*

Field Name	Required	Type	Description	Format
changes		Map of <a href="#">[object]</a>		
clientId		Long		int64
creditReport		Map of <a href="#">[object]</a>		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
subResourceId		Long		int64
transactionId		String		

## InteropTransferRequestData

Field Name	Required	Type	Description	Format
accountId	X	String		
amount	X	MoneyData		
expiration		Date		date-time
expirationLocalDate		date		date
extensionList		List of <a href="#">ExtensionData</a>		
fspCommission		MoneyData		
fspFee		MoneyData		
geoCode		GeoCodeData		
note		String		
requestCode		String		
transactionCode	X	String		
transactionRole	X	String		Enum: PAYER, PAYEE,
transactionType		InteropTransactionTypeData		
transferCode	X	String		

## InteropTransferResponseData

Field Name	Required	Type	Description	Format
changes		Map of <a href="#">[object]</a>		
clientId		Long		int64
completedTimestamp		String		
creditReport		Map of <a href="#">[object]</a>		
expiration		String		

Field Name	Required	Type	Description	Format
extensionList		List of <i>ExtensionData</i>		
glimId		Long		int64
groupId		Long		int64
gsimId		Long		int64
loanId		Long		int64
officeId		Long		int64
productId		Long		int64
rollbackTransaction		Boolean		
savingsId		Long		int64
state	X	String		<i>Enum:</i> ACCEPTED, REJECTED,
subResourceId		Long		int64
transactionCode	X	String		
transactionId		String		
transferCode	X	String		

### *JobDetailHistoryDataSwagger*

Field Name	Required	Type	Description	Format
jobRunEndTime		Date		date-time
jobRunStartTime		Date		date-time
status		String		
triggerType		String		
version		Long		int64

## *JournalEntryCommand*

Field Name	Required	Type	Description	Format
accountNumber		String		
accountingRuleId		Long		int64
amount		BigDecimal		
bankNumber		String		
checkNumber		String		
comments		String		
credits		List of <a href="#">SingleDebitOrCreditEntryCommand</a>		
currencyCode		String		
debits		List of <a href="#">SingleDebitOrCreditEntryCommand</a>		
officeId		Long		int64
paymentTypeId		Long		int64
receiptNumber		String		
referenceNumber		String		
routingCode		String		
transactionDate		date		date

## *JournalEntryData*

Field Name	Required	Type	Description	Format
amount		BigDecimal		
createdDate		date		date
currencyCode		String		
entityId		Long		int64
entityType		EnumOptionData		
entryType		EnumOptionData		
glAccountId		Long		int64



Field Name	Required	Type	Description	Format
glAccountType		EnumOptionData		
id		Long		int64
manualEntry		Boolean		
officeId		Long		int64
paymentTypeId		Long		int64
rowIndex		Integer		int32
savingTransactionId		Long		int64
transactionDate		date		date
transactionId		String		

### *LoanProduct*

Field Name	Required	Type	Description	Format
accountingDisabled		Boolean		
accountingType		Integer		int32
accrualBasedAccountingEnabled		Boolean		
allowApprovedDisbursedAmountsOverApplied		Boolean		
arrearsBasedOnOriginalSchedule		Boolean		
cashBasedAccountingEnabled		Boolean		
closeDate		date		date
currency		MonetaryCurrency		
disallowExpectedDisbursements		Boolean		
equalAmortization		Boolean		
externalId		String		

Field Name	Required	Type	Description	Format
fixedPrincipalPercentagePerInstallment		BigDecimal		
floatingRates		LoanProductFloatingRates		
holdGuaranteeFundsEnabled		Boolean		
id		Long		int64
includeInBorrowerCycle		Boolean		
installmentAmountInMultiplesOf		Integer		int32
interestPeriodFrequencyType		String		Enum: DAYS, WEEKS, MONTHS, YEARS, WHOLE_TERM, INVALID,
interestRecalculationEnabled		Boolean		
linkedToFloatingInterestRate		Boolean		
loanProductTrancheDetails		LoanProductTrancheDetails		
loanProductCharges		List of <i>Charge</i>		
loanProductConfigurableAttributes		LoanProductConfigurableAttributes		
loanProductGuaranteeDetails		LoanProductGuaranteeDetails		
loanProductRelatedDetail		LoanProductRelatedDetail		
maxNominalInterestRatePerPeriod		BigDecimal		

Field Name	Required	Type	Description	Format
maxNumberOfRepayments		Integer		int32
maxPrincipalAmount		Money		
minNominalInterestRatePerPeriod		BigDecimal		
minNumberOfRepayments		Integer		int32
minPrincipalAmount		Money		
minimumDaysBetweenDisbursalAndFirstRepayment		Integer		int32
multiDisburseLoan		Boolean		
new		Boolean		
nominalInterestRatePerPeriod		BigDecimal		
numberOfRepayments		Integer		int32
overAppliedCalculationType		String		
overAppliedNumber		Integer		int32
periodicAccrualAccountingEnabled		Boolean		
principalAmount		Money		
principalThresholdForLastInstallment		BigDecimal		
productInterestRecalculationDetails		LoanProductInterestRecalculationDetails		
rates		List of <a href="#">Rate</a>		
repaymentStrategy		LoanTransactionProcessingStrategy		
shortName		String		

Field Name	Required	Type	Description	Format
startDate		date		date
syncExpectedWithDisbursementDate		Boolean		
upfrontAccrualAccountingEnabled		Boolean		

### *LoanProductBorrowerCycleVariationData*

Field Name	Required	Type	Description	Format
borrowerCycleNumber		Integer		int32
defaultValue		BigDecimal		
paramType		String		<i>Enum:</i> INVALID, PRINCIPAL, INTERESTRATE, REPAYMENT,
valueConditionType		String		<i>Enum:</i> INVALID, EQUAL, GREATERTHAN,

### *LoanProductConfigurableAttributes*

Field Name	Required	Type	Description	Format
amortizationBoolean		Boolean		
amortizationType		Boolean		
arrearsToleranceBoolean		Boolean		

Field Name	Required	Type	Description	Format
graceOnArrearsAgeing		Boolean		
graceOnArrearsAgeingBoolean		Boolean		
graceOnPrincipalAndInterestPayment		Boolean		
graceOnPrincipalAndInterestPaymentBoolean		Boolean		
id		Long		int64
inArrearsTolerance		Boolean		
interestCalcPeriodBoolean		Boolean		
interestCalculationPeriodType		Boolean		
interestMethodBoolean		Boolean		
interestType		Boolean		
loanProduct		LoanProduct		
new		Boolean		
repaymentEvery		Boolean		
repaymentEveryBoolean		Boolean		
transactionProcessingStrategyBoolean		Boolean		
transactionProcessingStrategyId		Boolean		

### *LoanProductData*

Field Name	Required	Type	Description	Format
allowPartialPeriodInterestCalculation		Boolean		
amortizationType		EnumOptionData		

Field Name	Required	Type	Description	Format
amortizationTypeOptions		List of <a href="#">EnumOptionData</a>		
annualInterestRate		BigDecimal		
chargeOptions		List of <a href="#">ChargeData</a>		
closeDate		date		date
compoundingToBePostedAsTransaction		Boolean		
currency		CurrencyData		
daysInMonthType		EnumOptionData		
daysInYearType		EnumOptionData		
defaultDifferentialLendingRate		BigDecimal		
description		String		
equalAmortization		Boolean		
fixedPrincipalPercentagePerInstallment		BigDecimal		
floatingInterestRateCalculationAllowed		Boolean		
fundId		Long		int64
fundName		String		
fundOptions		List of <a href="#">FundData</a>		
getloanProductConfigurableAttributes		LoanProductConfigurableAttributes		
graceOnArrearsAgeing		Integer		int32
graceOnInterestCharged		Integer		int32
graceOnInterestPayment		Integer		int32
graceOnPrincipalPayment		Integer		int32

Field Name	Required	Type	Description	Format
id		Long		int64
inArrearsTolerance		BigDecimal		
interestCalculationPeriodType		EnumOptionData		
interestCalculationPeriodTypeOptions		List of <a href="#">EnumOptionData</a>		
interestRateDifferential		BigDecimal		
interestRateFrequencyType		EnumOptionData		
interestRateFrequencyTypeOptions		List of <a href="#">EnumOptionData</a>		
interestRatePerPeriod		BigDecimal		
interestRateVariationsForBorrowerCycle		List of <a href="#">LoanProductBorrowerCycleVariationData</a>		
interestRecalculationData		LoanProductInterestRecalculationData		
interestRecalculationEnabled		Boolean		
interestType		EnumOptionData		
interestTypeOptions		List of <a href="#">EnumOptionData</a>		
linkedToFloatingInterestRates		Boolean		
maxDifferentialLendingRate		BigDecimal		
maxInterestRatePerPeriod		BigDecimal		
maxNumberOfRepayments		Integer		int32
maxPrincipal		BigDecimal		

Field Name	Required	Type	Description	Format
maximumGapBetweenInstallments		Integer		int32
minDifferentialLendingRate		BigDecimal		
minInterestRatePerPeriod		BigDecimal		
minNumberOfRepayments		Integer		int32
minPrincipal		BigDecimal		
minimumGapBetweenInstallments		Integer		int32
multiDisburseLoan		Boolean		
name		String		
numberOfRepaymentVariationsForBorrowerCycle		List of <a href="#">LoanProductBorrowerCycleVariationData</a>		
numberOfRepayments		Integer		int32
outstandingLoanBalance		BigDecimal		
principal		BigDecimal		
principalVariationsForBorrowerCycle		List of <a href="#">LoanProductBorrowerCycleVariationData</a>		
recurringMoratoriumOnPrincipalPeriods		Integer		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		EnumOptionData		
repaymentFrequencyTypeOptions		List of <a href="#">EnumOptionData</a>		
startDate		date		date



Field Name	Required	Type	Description	Format
transactionProcessingStrategyId		Long		int64
transactionProcessingStrategyName		String		
variableInstallmentsAllowed		Boolean		

### *LoanProductFloatingRates*

Field Name	Required	Type	Description	Format
defaultDifferentialLendingRate		BigDecimal		
floatingInterestRateCalculationAllowed		Boolean		
floatingRate		FloatingRate		
id		Long		int64
interestRateDifferential		BigDecimal		
loanProduct		LoanProduct		
maxDifferentialLendingRate		BigDecimal		
minDifferentialLendingRate		BigDecimal		
new		Boolean		

### *LoanProductGuaranteeDetails*

Field Name	Required	Type	Description	Format
id		Long		int64
mandatoryGuarantee		BigDecimal		
minimumGuaranteeFromGuarantor		BigDecimal		

Field Name	Required	Type	Description	Format
minimumGuaranteeFromOwnFunds		BigDecimal		
new		Boolean		

### *LoanProductInterestRecalculationData*

Field Name	Required	Type	Description	Format
compoundingToBePostedAsTransaction		Boolean		
interestRecalculationCompoundingType		EnumOptionData		
recalculationCompoundingFrequencyInterval		Integer		int32
recalculationCompoundingFrequencyNthDay		EnumOptionData		
recalculationCompoundingFrequencyOnDay		Integer		int32
recalculationCompoundingFrequencyType		EnumOptionData		
recalculationCompoundingFrequencyWeekday		EnumOptionData		
recalculationRestFrequencyInterval		Integer		int32
recalculationRestFrequencyNthDay		EnumOptionData		
recalculationRestFrequencyOnDay		Integer		int32
recalculationRestFrequencyType		EnumOptionData		

Field Name	Required	Type	Description	Format
recalculationRestFrequencyWeekday		EnumOptionData		
rescheduleStrategyType		EnumOptionData		

### *LoanProductInterestRecalculationDetails*

Field Name	Required	Type	Description	Format
arrearsBasedOnOriginalSchedule		Boolean		
compoundingFrequencyNthDay		Integer		int32
compoundingFrequencyOnDay		Integer		int32
compoundingFrequencyType		String		Enum: INVALID, SAME_AS_REPAYMENT_PERIOD, DAILY, WEEKLY, MONTHLY,
compoundingFrequencyWeekday		Integer		int32
compoundingInterval		Integer		int32
id		Long		int64
interestRecalculationCompoundingMethod		Integer		int32
isCompoundingToBePostedAsTransaction		Boolean		
new		Boolean		

Field Name	Required	Type	Description	Format
rescheduleStrategyMethod		Integer		int32
restFrequencyNthDay		Integer		int32
restFrequencyOnDay		Integer		int32
restFrequencyType		String		Enum: INVALID, SAME_AS_REPAYMENT_PERIOD, DAILY, WEEKLY, MONTHLY,
restFrequencyWeekday		Integer		int32
restInterval		Integer		int32

### *LoanProductProvisioningEntryData*

Field Name	Required	Type	Description	Format
amountreserved		BigDecimal		
balance		BigDecimal		
categoryId		Long		int64
categoryName		String		
criteriaId		Long		int64
currencyCode		String		
expenseAccount		Long		int64
expenseAccountCode		String		
expenseAccountName		String		
historyId		Long		int64

Field Name	Required	Type	Description	Format
liabilityAccountCode		String		
liabilityAccountName		String		
liabilityAccount		Long		int64
officeId		Long		int64
officeName		String		
overdueInDays		Long		int64
percentage		BigDecimal		
productId		Long		int64
productName		String		

### *LoanProductRelatedDetail*

Field Name	Required	Type	Description	Format
allowPartialPeriodInterestCalculation		Boolean		
amortizationMethod		String		Enum: EQUAL_PRINCIPAL, EQUAL_INSTALLMENTS, INVALID,
annualNominalInterestRate		BigDecimal		
arrearsTolerance		BigDecimal		
currency		MonetaryCurrency		
equalAmortization		Boolean		
graceOnArrearsAgeing		Integer		int32
graceOnDueDate		Integer		int32

Field Name	Required	Type	Description	Format
graceOnInterestPayment		Integer		int32
graceOnPrincipalPayment		Integer		int32
inArrearsTolerance		Money		
interestCalculationPeriodMethod		String		<i>Enum:</i> DAILY, SAME_AS_REPAYMENT_PERIOD, INVALID,
interestMethod		String		<i>Enum:</i> DECLINING_BALANCE, FLAT, INVALID,
interestPeriodFrequencyType		String		<i>Enum:</i> DAYS, WEEKS, MONTHS, , YEARS, WHOLE_TERM, INVALID,
interestRecalculationEnabled		Boolean		
nominalInterestRatePerPeriod		BigDecimal		
numberOfRepayments		Integer		int32
principal		Money		
repayEvery		Integer		int32

Field Name	Required	Type	Description	Format
repaymentPeriodFrequencyType		String		Enum: DAYS, WEEKS, MONTHS, YEARS, WHOLE_TERM, INVALID,

### *LoanProductTrancheDetails*

Field Name	Required	Type	Description	Format
multiDisburseLoan		Boolean		

### *LoanTransactionProcessingStrategy*

Field Name	Required	Type	Description	Format
creocoreStrategy		Boolean		
earlyPaymentStrategy		Boolean		
heavensfamilyStrategy		Boolean		
id		Long		int64
indianRBIStrategy		Boolean		
interestPrincipalPenaltiesFeesOrderStrategy		Boolean		
new		Boolean		
principalInterestPenaltiesFeesOrderStrategy		Boolean		
standardStrategy		Boolean		

## LookupTableData

Field Name	Required	Type	Description	Format
description		String		
entries		List of <a href="#">LookupTableEntry</a>		
key		String		

## LookupTableEntry

Field Name	Required	Type	Description	Format
score		Double		double
valueFrom		Integer		int32
valueTo		Integer		int32

## MonetaryCurrency

Field Name	Required	Type	Description	Format
code		String		
currencyInMultiplesOf		Integer		int32
digitsAfterDecimal		Integer		int32

## Money

Field Name	Required	Type	Description	Format
amount		BigDecimal		
amountDefaultedToNullIfZero		BigDecimal		
currency		MonetaryCurrency		
currencyCode		String		
currencyDigitsAfterDecimal		Integer		int32



Field Name	Required	Type	Description	Format
currencyInMultiplesOf		Integer		int32
greaterThanZero		Boolean		
lessThanZero		Boolean		
zero		Boolean		

### *MoneyData*

Field Name	Required	Type	Description	Format
amount	X	BigDecimal		
currency	X	String		

### *MultiPart*

Field Name	Required	Type	Description	Format
bodyParts		List of <a href="#">BodyPart</a>		
contentDisposition		ContentDisposition		
entity		Object		
headers		Map of <a href="#">[array]</a>		
mediaType		BodyPart_mediaType		
messageBodyWorkers		Object		
parameterizedHeaders		Map of <a href="#">[array]</a>		
parent		MultiPart		
providers		Object		

### *Office*

Field Name	Required	Type	Description	Format
hierarchy		String		

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		
new		Boolean		
openingLocalDate		date		date
parent		Office		

### *OfficeData*

Field Name	Required	Type	Description	Format
hierarchy		String		
id		Long		int64
openingDate		date		date
rowIndex		Integer		int32

### *PageCashierTransactionData*

Field Name	Required	Type	Description	Format
pageItems		List of <a href="#">CashierTransactionData</a>		
totalFilteredRecords		Integer		int32

### *ParameterizedHeader*

Field Name	Required	Type	Description	Format
parameters		Map of <a href="#">[string]</a>		
value		String		

### *PaymentType*

Field Name	Required	Type	Description	Format
cashPayment		Boolean		
id		Long		int64
new		Boolean		
paymentName		String		

### *Permission*

Field Name	Required	Type	Description	Format
code		String		
grouping		String		
id		Long		int64
new		Boolean		

### *PostAccountNumberFormatsRequest*

PostAccountNumberFormatsRequest

Field Name	Required	Type	Description	Format
accountType		Long		int64
prefixType		Long		int64

### *PostAccountNumberFormatsResponse*

PostAccountNumberFormatsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostAccountTransfersRefundByTransferRequest*

PostAccountTransfersRefundByTransferRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
fromAccountId		Integer		int32
fromAccountType		Integer		int32
fromClientId		Integer		int32
fromOfficeId		Integer		int32
locale		String		
toAccountId		Integer		int32
toAccountType		Integer		int32
toClientId		Integer		int32
toOfficeId		Integer		int32
transferAmount		Float		float
transferDate		String		
transferDescription		String		

### *PostAccountTransfersRefundByTransferResponse*

PostAccountTransfersRefundByTransferResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Integer		int32

### *PostAccountTransfersRequest*

PostAccountTransfersRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
fromAccountId		Integer		int32
fromAccountType		Integer		int32
fromClientId		Integer		int32
fromOfficeId		Integer		int32

Field Name	Required	Type	Description	Format
locale		String		
toAccountId		Integer		int32
toAccountType		Integer		int32
toClientId		Integer		int32
toOfficeId		Integer		int32
transferAmount		Float		float
transferDate		String		
transferDescription		String		

### *PostAccountTransfersResponse*

PostAccountTransfersResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Integer		int32

### *PostAccountingRulesRequest*

PostAccountingRulesRequest

Field Name	Required	Type	Description	Format
accountToCredit		Long		int64
accountToDebit		Long		int64
description		String		
name		String		
officeId		Long		int64

### *PostAccountingRulesResponse*

PostAccountingRulesResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

### *PostAccountsCharges*

Field Name	Required	Type	Description	Format
amount		Integer		int32
chargeId		Integer		int32

### *PostAccountsRequestedShares*

Field Name	Required	Type	Description	Format
id		Integer		int32

### *PostAccountsTypeAccountIdRequest*

PostAccountsTypeAccountIdRequest

Field Name	Required	Type	Description	Format
requestedShares		Set of <a href="#">PostAccountsRequestedShares</a>		

### *PostAccountsTypeAccountIdResponse*

PostAccountsTypeAccountIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostAccountsTypeRequest*

PostAccountsTypeRequest

Field Name	Required	Type	Description	Format
allowDividendCalculationForInactiveClients		Boolean		
applicationDate		String		
charges		Set of <a href="#">PostAccountsCharges</a>		
clientId		Integer		int32
dateFormat		String		
externalId		Integer		int32
locale		String		
lockinPeriodFrequency		Integer		int32
lockinPeriodFrequencyType		Integer		int32
minimumActivePeriod		Integer		int32
minimumActivePeriodFrequencyType		Integer		int32
productId		Integer		int32
requestedShares		Integer		int32
savingsAccountId		Integer		int32
submittedDate		String		

### *PostAccountsTypeResponse*

PostAccountsTypeResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostAdhocQuerySearchRequest*

PostAdhocQuerySearchRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
includeOutstandingAmountPercentage		Boolean		
includeOutstandingAmount		Boolean		
loanDateOption		String		
loanFromDate		date		date
loanToDate		date		date
locale		String		
maxOutstandingAmount		Long		int64
minOutstandingAmount		Long		int64
outstandingAmountPercentage		Long		int64
outstandingAmountPercentageCondition		String		
outstandingAmountCondition		String		

## *PostAdhocQuerySearchResponse*

PostAdhocQuerySearchResponse

Field Name	Required	Type	Description	Format
loanOutStanding		Long		int64
loanProductName		String		
officeName		String		
percentage		Long		int64

## *PostAuthenticationRequest*

PostAuthenticationRequest



Field Name	Required	Type	Description	Format
password	X	String		
username	X	String		

## *PostAuthenticationResponse*

PostAuthenticationResponse

Field Name	Required	Type	Description	Format
authenticated		Boolean		
base64EncodedAuthenticationKey		String		
officeId		Long		int64
officeName		String		
organisationalRole		EnumOptionData		
permissions		List of <a href="#">[string]</a>		
roles		List of <a href="#">RoleData</a>		
staffDisplayName		String		
staffId		Long		int64
userId		Long		int64
username		String		

## *PostBatchesRequest*

PostBatchesRequest

Field Name	Required	Type	Description	Format
body		PostBodyRequestSwagger		
headers		Set of <a href="#">Header</a>		
method		String		
reference		Long		int64
relativeUrl		String		
requestId		Long		int64

## *PostBodyRequestSwagger*

Field Name	Required	Type	Description	Format
activationDate		String		
active		Boolean		
dateFormat		String		
externalId		String		
firstname		String		
lastname		String		
locale		String		
officeId		Long		int64
submittedOnDate		String		

## *PostCentersCenterIdRequest*

### PostCentersCenterIdRequest

Field Name	Required	Type	Description	Format
closureDate		String		
closureReasonId		Integer		int32
dateFormat		String		
locale		String		

## *PostCentersCenterIdResponse*

### PostCentersCenterIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *PostCentersRequest*

### PostCentersRequest

Field Name	Required	Type	Description	Format
active		Boolean		
name		String		
officeId		Integer		int32

## *PostCentersResponse*

PostCentersResponse

Field Name	Required	Type	Description	Format
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostChargesRequest*

PostChargesRequest

Field Name	Required	Type	Description	Format
active		String		
amount		Float		float
chargeAppliesTo		Integer		int32
chargeCalculationType		Integer		int32
chargePaymentMode		Integer		int32
chargeTimeType		Integer		int32
currencyCode		String		
locale		String		
name		String		

## *PostChargesResponse*

PostChargesResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostClientClientIdAddressesRequest*

PostClientClientIdAddressesRequest

Field Name	Required	Type	Description	Format
addressLine1		String		
addressLine2		String		
addressLine3		String		
city		String		
countryId		Integer		int32
isActive		Boolean		
postalCode		Long		int64
stateProvinceId		Integer		int32
street		String		

### *PostClientClientIdAddressesResponse*

PostClientClientIdAddressesResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostClientCollateralRequest*

PostClientCollateralRequest

Field Name	Required	Type	Description	Format
collateralId		Long		int64
locale		String		
quantity		BigDecimal		

## *PostClientCollateralResponse*

PostClientCollateralResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
resourceId		Integer		int32

## *PostClientsAddressRequest*

Address requests

Field Name	Required	Type	Description	Format
addressLine1		String		
addressLine2		String		
addressLine3		String		
addressTypeId		Long		int64
city		String		
countryId		Integer		int32
isActive		Boolean		
postalCode		Long		int64
stateProvinceId		Integer		int32
street		String		

## *PostClientsClientIdChargesChargeIdRequest*

PostClientsClientIdChargesChargeIdRequest

Field Name	Required	Type	Description	Format
amount		Integer		int32
dateFormat		String		
locale		String		
transactionDate		String		

## *PostClientsClientIdChargesChargeIdResponse*

PostClientsClientIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
transactionId		Integer		int32

## *PostClientsClientIdChargesRequest*

PostClientsClientIdChargesRequest

Field Name	Required	Type	Description	Format
amount		Integer		int32
chargeId		Integer		int32
dateFormat		String		
dueDate		String		
locale		String		

## *PostClientsClientIdChargesResponse*

PostClientsClientIdChargesResponse

Field Name	Required	Type	Description	Format
chargeId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostClientsClientIdIdentifiersRequest*

PostClientsClientIdIdentifiersRequest

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
transactionId		Integer		int32

Field Name	Required	Type	Description	Format
description		String		
documentKey		String		
documentTypeId		Integer		int32

### *PostClientsClientIdIdentifiersResponse*

PostClientsClientIdIdentifiersResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostClientsClientIdRequest*

PostClientsClientIdRequest

Field Name	Required	Type	Description	Format
activationDate		String		
dateFormat		String		
locale		String		

### *PostClientsClientIdResponse*

PostClientsClientIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostClientsClientIdTransactionsTransactionIdResponse*

PostClientsClientIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostClientsDatatable*

List of PostClientsDatatable

Field Name	Required	Type	Description	Format
data		Map of <a href="#">[object]</a>		
registeredTableName		String		

## *PostClientsRequest*

PostClientsRequest

Field Name	Required	Type	Description	Format
activationDate		String		
active		Boolean		
address		List of <a href="#">PostClientsAddressRequest</a>	Address requests	
datatables		List of <a href="#">PostClientsDatatable</a>	List of PostClientsDatatable	
dateFormat		String		
externalId		String		
firstname		String		
fullname		String		
groupId		Integer		int32
lastname		String		
legalFormId		Integer		int32



Field Name	Required	Type	Description	Format
locale		String		
officeId		Integer		int32

## *PostClientsResponse*

PostClientsResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostCodeValueDataResponse*

PostCodeValueDataResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostCodeValuesDataRequest*

PostCodeValuesDataRequest

Field Name	Required	Type	Description	Format
description		String		
name		String		
position		Integer		int32

## *PostCodesRequest*

PostCodesRequest

Field Name	Required	Type	Description	Format
name		String		

### *PostCodesResponse*

PostCodesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostCollateralManagementProductRequest*

PostCollateralManagementProductRequest

Field Name	Required	Type	Description	Format
basePrice		BigDecimal		
currency		String		
name		String		
pctToBase		BigDecimal		
quality		String		
unitType		String		

### *PostCollateralManagementProductResponse*

PostCollateralManagementProductResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostCollectionSheetBulkRepaymentTransactions*

Field Name	Required	Type	Description	Format
loanId		Integer		int32
paymentTypeId		Integer		int32

Field Name	Required	Type	Description	Format
receiptNumber		Long		int64
transactionAmount		Double		double

### *PostCollectionSheetChanges*

Field Name	Required	Type	Description	Format
SavingsTransactions		List of <a href="#">[integer]</a>		int32
dateFormat		String		
loanTransactions		List of <a href="#">[integer]</a>		int32
locale		String		

### *PostCollectionSheetRequest*

PostCollectionSheetRequest

Field Name	Required	Type	Description	Format
actualDisbursementDate		String		
bulkDisbursementTransactions		List of <a href="#">[integer]</a>		int32
bulkRepaymentTransactions		PostCollectionSheetBulkRepaymentTransactions		
bulkSavingsDueTransactions		List of <a href="#">[integer]</a>		int32
dateFormat		String		
locale		String		
transactionDate		String		

### *PostCollectionSheetResponse*

PostCollectionSheetResponse

Field Name	Required	Type	Description	Format
changes		PostCollectionSheetChanges		
groupId		Integer		int32
resourceId		Integer		int32

### *PostColumnHeaderData*

Field Name	Required	Type	Description	Format
code		String	Used in Code Value fields. Column name becomes: code_cd_name. Mandatory if using type Dropdown, otherwise an error is returned.	
length		Long	Length of the text field. Mandatory if type String is used, otherwise an error is returned.	int64
mandatory		Boolean	Defaults to false	
name	X	String		
type	X	String	Any of them: Boolean	Date
DateTime	Decimal	Dropdown	Number	String

### *PostDataTablesAppTableIdResponse*

PostDataTablesAppTableIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostDataTablesRequest*

PostDataTablesRequest

Field Name	Required	Type	Description	Format
apptableName	X	String		

Field Name	Required	Type	Description	Format
columns	X	List of <a href="#">PostColumnHeaderData</a>		
datatableName	X	String		
multiRow		Boolean	Allows to create multiple entries in the Data Table. Optional, defaults to false. If this property is not provided Data Table will allow only one entry.	

### *PostDataTablesResponse*

PostDataTablesResponse

Field Name	Required	Type	Description	Format
resourceIdentifier		String		

### *PostEntityDatatableChecksTemplateRequest*

PostEntityDatatableChecksTemplateRequest

Field Name	Required	Type	Description	Format
datatableName		String		
entity		String		
productId		Long		int64
status		Long		int64

### *PostEntityDatatableChecksTemplateResponse*

PostEntityDatatableChecksTemplateResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostEntityTypeEntityIdDocumentsResponse*

PostEntityTypeEntityIdDocumentsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64
resourceIdentifier		String		

### *PostFinancialActivityAccountsRequest*

PostFinancialActivityAccountsRequest

Field Name	Required	Type	Description	Format
financialActivityId		Long		int64
glAccountId		Long		int64

### *PostFinancialActivityAccountsResponse*

PostFinancialActivityAccountsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostFixedDepositAccountsAccountIdResponse*

PostFixedDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PostFixedDepositAccountsRequest*

PostFixedDepositAccountsRequest

Field Name	Required	Type	Description	Format
clientId		Integer		int32

Field Name	Required	Type	Description	Format
dateFormat		String		
depositAmount		Float		float
depositPeriod		Integer		int32
depositPeriodFrequencyId		Integer		int32
locale		String		
productId		Integer		int32
submittedOnDate		String		

### *PostFixedDepositAccountsResponse*

PostFixedDepositAccountsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PostFixedDepositProductsChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
description		String		
fromPeriod		Integer		int32
periodType		Integer		int32
toPeriod		Integer		int32

### *PostFixedDepositProductsCharts*

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#">PostFixedDepositProductsChartSlabs</a>		
dateFormat		String		
fromDate		String		
locale		String		

## *PostFixedDepositProductsRequest*

### PostFixedDepositProductsRequest

Field Name	Required	Type	Description	Format
accountingRule		Integer		int32
charts		Set of <a href="#">PostFixedDepositProductsCharts</a>		
currencyCode		String		
description		String		
digitsAfterDecimal		Integer		int32
inMultiplesOf		Integer		int32
interestCalculationDaysInYearType		Integer		int32
interestCalculationType		Integer		int32
interestCompoundingPeriodType		Integer		int32
interestPostingPeriodType		Integer		int32
locale		String		
maxDepositTerm		Integer		int32
maxDepositTermTypeId		Integer		int32
minDepositTerm		Integer		int32



Field Name	Required	Type	Description	Format
minDepositTermTypeId		Integer		int32
name		String		
preClosurePenalApplicable		Boolean		
preClosurePenalInterest		Double		double
preClosurePenalInterestOnTypeId		Integer		int32
shortName		String		

### *PostFixedDepositProductsResponse*

PostFixedDepositProductsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostFloatingRatesRatePeriods*

Field Name	Required	Type	Description	Format
dateFormat		String		
fromDate		String		
interestRate		Double		double
locale		String		

### *PostFloatingRatesRequest*

PostFloatingRatesRequest

Field Name	Required	Type	Description	Format
isActive		Boolean		
isBaseLendingRate		Boolean		

Field Name	Required	Type	Description	Format
name		String		
ratePeriods		Set of <a href="#">PostFloatingRatesRatePeriods</a>		

### *PostFloatingRatesResponse*

PostFloatingRatesResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostFundsRequest*

PostFundsRequest

Field Name	Required	Type	Description	Format
name		String		

### *PostFundsResponse*

PostFundsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostGLAccountsRequest*

PostGLAccountsRequest

Field Name	Required	Type	Description	Format
description		String		
glCode		String		
manualEntriesAllowed		Boolean		

Field Name	Required	Type	Description	Format
name		String		
parentId		Long		int64
tagId		String		
type		String		
usage		EnumOptionData		

### *PostGLAccountsResponse*

PostGLAccountsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostGlclosuresRequest*

PostGLClosuresRequest

Field Name	Required	Type	Description	Format
closingDate		date		date
comments		String		
dateFormat		String		
locale		String		
officeId		Long		int64

### *PostGlclosuresResponse*

PostGlclosuresResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

## *PostGroupsGroupIdClients*

Field Name	Required	Type	Description	Format
id		Integer		int32

## *PostGroupsGroupIdCommandUnassignStaffRequest*

PostGroupsGroupIdCommandUnassignStaffRequest

Field Name	Required	Type	Description	Format
staffId		Integer		int32

## *PostGroupsGroupIdCommandUnassignStaffResponse*

PostGroupsGroupIdCommandUnassignStaffResponse

Field Name	Required	Type	Description	Format
changes		Object		
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostGroupsGroupIdRequest*

PostGroupsGroupIdRequest

Field Name	Required	Type	Description	Format
clients		Set of <a href="#"><i>PostGroupsGroupIdClients</i></a>		
destinationGroupId		Integer		int32

## *PostGroupsGroupIdResponse*

PostGroupsGroupIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostGroupsRequest*

PostGroupsRequest

Field Name	Required	Type	Description	Format
active		Boolean		
name		String		
officeId		Integer		int32

### *PostGroupsResponse*

PostGroupsResponse

Field Name	Required	Type	Description	Format
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostHolidaysHolidayIdResponse*

PostHolidaysHolidayIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostHolidaysRequest*

PostHolidaysRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		

Field Name	Required	Type	Description	Format
fromDate		date		date
locale		String		
name		String		
offices		List of <a href="#">PostHolidaysRequestOffices</a>		
repaymentsRescheduledTo		date		date
toDate		date		date

### *PostHolidaysRequestOffices*

Field Name	Required	Type	Description	Format
officeId		Long		int64

### *PostHolidaysResponse*

PostHolidaysResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PostHookRequest*

PostHookRequest

Field Name	Required	Type	Description	Format
config		List of <a href="#">Field</a>		
displayName		String		
events		List of <a href="#">Event</a>		
isActive		Boolean		
name		String		
templateId		Long		int64

## *PostHookResponse*

PostHookResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostInterestRateChartsChartIdChartSlabsIncentives*

Field Name	Required	Type	Description	Format
amount		Float		float
attributeName		Integer		int32
attributeValue		Integer		int32
conditionType		Integer		int32
entityType		Integer		int32
incentiveType		Integer		int32

## *PostInterestRateChartsChartIdChartSlabsRequest*

PostInterestRateChartsChartIdChartSlabsRequest

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
description		String		
fromPeriod		Integer		int32
incentives		Set of <a href="#">PostInterestRateChartsChartIdChartSlabsIncentives</a>		
locale		String		
periodType		Integer		int32
toPeriod		Integer		int32

## *PostInterestRateChartsChartIdChartSlabsResponse*

PostInterestRateChartsChartIdChartSlabsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostInterestRateChartsRequest*

PostInterestRateChartsRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
fromDate		String		
locale		String		
name		String		
type		String		

### *PostInterestRateChartsResponse*

PostInterestRateChartsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostJournalEntriesResponse*

PostJournalEntriesResponse

Field Name	Required	Type	Description	Format
officeId		Long	1	int64
transactionId		String	RS9MCISID4WK1ZM	

### *PostJournalEntriesTransactionIdRequest*

PostJournalEntriesTransactionIdRequest



Field Name	Required	Type	Description	Format
officeId		Long	1	int64

### *PostJournalEntriesTransactionIdResponse*

PostJournalEntriesTransactionIdResponse

Field Name	Required	Type	Description	Format
officeId		Long	1	int64

### *PostLinkDelinkAccountsToFromPocketResponse*

PostLinkDelinkAccountsToFromPocketResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostLoanChanges*

Field Name	Required	Type	Description	Format
removedEntityIds		List of <a href="#">[integer]</a>		int32

### *PostLoanProductsRequest*

PostLoanProductsRequest

Field Name	Required	Type	Description	Format
accountingRule		Integer		int32
amortizationType		Integer		int32
currencyCode		String		
daysInMonthType		Integer		int32
daysInYearType		Integer		int32
digitsAfterDecimal		Integer		int32

Field Name	Required	Type	Description	Format
fixedPrincipalPercentagePerInstallment		BigDecimal		
fundSourceAccountId		Integer		int32
inMultiplesOf		Integer		int32
incomeFromFeeAccountId		Integer		int32
incomeFromPenaltyAccountId		Integer		int32
interestCalculationPeriodType		Integer		int32
interestOnLoanAccountId		Integer		int32
interestRateFrequencyType		Integer		int32
interestRatePerPeriod		Double		double
interestType		Integer		int32
isInterestRecalculationEnabled		Boolean		
loanPortfolioAccountId		Integer		int32
locale		String		
name		String		
numberOfRepayments		Integer		int32
overpaymentLiabilityAccountId		Integer		int32
principal		Double		double
receivableFeeAccountId		Integer		int32
receivableInterestAccountId		Integer		int32

Field Name	Required	Type	Description	Format
receivablePenaltyAccountId		Integer		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		Integer		int32
shortName		String		
transactionProcessingStrategyId		Integer		int32
writeOffAccountId		Integer		int32

### *PostLoanProductsResponse*

PostLoanProductsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostLoansLoanIdChargesChargeIdRequest*

PostLoansLoanIdChargesChargeIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
transactionDate		String		

### *PostLoansLoanIdChargesChargeIdResponse*

PostLoansLoanIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
loanId		Long		int64
officeId		Long		int64

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Long		int64

### *PostLoansLoanIdChargesRequest*

PostLoansLoanIdChargesRequest

Field Name	Required	Type	Description	Format
amount		Float		float
chargeId		Integer		int32
dateFormat		String		
dueDate		String		
locale		String		

### *PostLoansLoanIdChargesResponse*

PostLoansLoanIdChargesResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
loanId		Long		int64
officeId		Long		int64
resourceId		Integer		int32

### *PostLoansLoanIdCollateralsRequest*

PostLoansLoanIdCollateralsRequest

Field Name	Required	Type	Description	Format
collateralTypeId		Integer		int32

## *PostLoansLoanIdCollateralsResponse*

PostLoansLoanIdCollateralsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *PostLoansLoanIdRequest*

PostLoansLoanIdRequest

Field Name	Required	Type	Description	Format
assignmentDate		String		
dateFormat		String		
fromLoanOfficerId		Integer		int32
locale		String		
toLoanOfficerId		Integer		int32

## *PostLoansLoanIdResponse*

PostLoansLoanIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
loanId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostLoansLoanIdScheduleResponse*

PostLoansLoanIdScheduleResponse

Field Name	Required	Type	Description	Format
changes		PostLoanChanges		
loanId		Integer		int32

## *PostLoansLoanIdTransactionsResponse*

PostLoansLoanIdTransactionsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostLoansLoanIdTransactionsTransactionIdRequest*

PostLoansLoanIdTransactionsTransactionIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
note		String		
transactionAmount		Double		double
transactionDate		String		

## *PostLoansLoanIdTransactionsTransactionIdResponse*

PostLoansLoanIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *PostLoansRepaymentSchedulePeriods*

Field Name	Required	Type	Description	Format
dueDate		date		date
feeChargesDue		Long		int64
feeChargesOutstanding		Long		int64
period		Integer		int32

Field Name	Required	Type	Description	Format
principalDisbursed		Long		int64
principalLoanBalanceOutstanding		Long		int64
totalActualCostOfLoanForPeriod		Long		int64
totalDueForPeriod		Long		int64
totalOriginalDueForPeriod		Long		int64
totalOutstandingForPeriod		Long		int64
totalOverdue		Long		int64

## *PostLoansRequest*

### PostLoansRequest

Field Name	Required	Type	Description	Format
amortizationType		Integer		int32
dateFormat		String		
daysInYearType		Integer		int32 <i>Enum:</i> null,
expectedDisbursementDate		String		
fixedPrincipalPercentagePerInstallment		BigDecimal		
interestCalculationPeriodType		Integer		int32
interestRatePerPeriod		Integer		int32
interestType		Integer		int32
loanTermFrequency		Integer		int32

Field Name	Required	Type	Description	Format
loanTermFrequencyType		Integer		int32
locale		String		
numberOfRepayments		Integer		int32
principal		Double		double
productId		Integer		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		Integer		int32
transactionProcessingStrategyId		Integer		int32

## *PostLoansResponse*

### PostLoansResponse

Field Name	Required	Type	Description	Format
currency		GetLoansLoanIdCurrency		
loanTermInDays		Integer		int32
periods		Set of <a href="#">PostLoansRepaymentSchedulePeriods</a>		
totalFeeChargesCharged		Long		int64
totalInterestCharged		Double		double
totalOutstanding		Long		int64
totalPenaltyChargesCharged		Long		int64
totalPrincipalDisbursed		Long		int64



Field Name	Required	Type	Description	Format
totalPrincipalExpected		Long		int64
totalPrincipalPaid		Long		int64
totalRepayment		Long		int64
totalRepaymentExpected		Double		double
totalWaived		Long		int64
totalWrittenOff		Long		int64

### *PostMakerCheckersResponse*

PostMakerCheckersResponse

Field Name	Required	Type	Description	Format
auditId		Long		int64

### *PostNewShareApplicationResponse*

PostNewShareApplicationResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostNewTransferResponse*

PostNewTransferResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Integer		int32

### *PostOfficesRequest*

PostOfficesRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
externalId		String		
locale		String		
name		String		
openingDate		date		date
parentId		Long		int64

### *PostOfficesResponse*

PostOfficesResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

### *PostPaymentTypesRequest*

PostPaymentTypesRequest

Field Name	Required	Type	Description	Format
description		String		
isCashPayment		Boolean		
name		String		
position		Integer		int32

### *PostPaymentTypesResponse*

PostPaymentTypesResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostProductsChargesSelected*

Field Name	Required	Type	Description	Format
id		Integer		int32

### *PostProductsMarketPricePeriods*

Field Name	Required	Type	Description	Format
dateFormat		String		
fromDate		String		
locale		String		
shareValue		Integer		int32

### *PostProductsTypeRequest*

#### PostProductsTypeRequest

Field Name	Required	Type	Description	Format
accountingRule		Integer		int32
allowDividendCalculationForInactiveClients		Boolean		
chargesSelected		Set of <a href="#"><i>PostProductsChargesSelected</i></a>		
currencyCode		String		
description		String		
digitsAfterDecimal		Integer		int32
inMultiplesOf		Integer		int32
locale		String		
lockinPeriodFrequency		Integer		int32
lockinPeriodFrequencyType		Integer		int32

Field Name	Required	Type	Description	Format
marketPricePeriods		Set of <a href="#">PostProductsMarketPricePeriods</a>		
maximumShares		Integer		int32
minimumActivePeriodForDividends		Integer		int32
minimumShares		Integer		int32
minimumactiveperiodFrequencyType		Integer		int32
name		String		
nominalShares		Integer		int32
sharesIssued		Integer		int32
shortName		String		
totalShares		Integer		int32
unitPrice		Integer		int32

## *PostProductsTypeResponse*

PostProductsTypeResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *PostProvisioningCriteriaRequest*

PostProvisioningCriteriaRequest

Field Name	Required	Type	Description	Format
criteriaName		String		
loanProducts		List of <a href="#">LoanProductData</a>		
provisioningcriteria		List of <a href="#">ProvisioningCriteriaDefinitionData</a>		

## *PostProvisioningCriteriaResponse*

PostProvisioningCriteriaResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostProvisioningEntriesRequest*

PostProvisioningEntriesRequest

Field Name	Required	Type	Description	Format
createjournalentries		String		
date		String		
dateFormat		String		
entries		String		
locale		String		
provisioningentry		String		

## *PostProvisioningEntriesResponse*

PostProvisioningEntriesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostRecurringChanges*

Field Name	Required	Type	Description	Format
accountNumber		String		
bankNumber		String		
checkNumber		String		
receiptNumber		String		
routingCode		String		

## *PostRecurringDepositAccountsAccountIdResponse*

PostRecurringDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsRequest*

PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsRequest

Field Name	Required	Type	Description	Format
accountNumber		String		
bankNumber		String		
checkNumber		String		
dateFormat		String		
locale		String		
paymentTypeId		Integer		int32
receiptNumber		String		
routingCode		String		
transactionAmount		Double		double
transactionDate		String		

## *PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsResponse*

PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsResponse

Field Name	Required	Type	Description	Format
changes		PostRecurringChanges		
clientId		Integer		int32
officeId		Integer		int32

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Integer		int32

## *PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse*

PostRecurringDepositAccountsRecurringDepositAccountIdTransactionsTransactionIdResponse

Field Name	Required	Type	Description	Format
changes		PostRecurringChanges		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PostRecurringDepositAccountsRequest*

PostRecurringDepositAccountsRequest

Field Name	Required	Type	Description	Format
clientId		Integer		int32
dateFormat		String		
depositAmount		Float		float
depositPeriod		Integer		int32
depositPeriodFrequencyId		Integer		int32
isCalendarInherited		Boolean		
locale		String		
mandatoryRecommendedDepositAmount		Long		int64
productId		Integer		int32

Field Name	Required	Type	Description	Format
recurringFrequency		Integer		int32
recurringFrequencyType		Integer		int32
submittedOnDate		String		

### *PostRecurringDepositAccountsResponse*

PostRecurringDepositAccountsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PostRecurringDepositProductsChartSlabs*

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
description		String		
fromPeriod		Integer		int32
periodType		Integer		int32
toPeriod		Integer		int32

### *PostRecurringDepositProductsCharts*

Field Name	Required	Type	Description	Format
chartSlabs		Set of <a href="#">PostRecurringDepositProductsChartSlabs</a>		
dateFormat		String		



Field Name	Required	Type	Description	Format
fromDate		String		
locale		String		

## *PostRecurringDepositProductsRequest*

PostRecurringDepositProductsRequest

Field Name	Required	Type	Description	Format
accountingRule		Integer		int32
charts		Set of <a href="#">PostRecurringDepositProductsCharts</a>		
currencyCode		String		
depositAmount		Long		int64
description		String		
digitsAfterDecimal		Integer		int32
inMultiplesOf		Integer		int32
interestCalculationDaysInYearType		Integer		int32
interestCalculationType		Integer		int32
interestCompoundingPeriodType		Integer		int32
interestPostingPeriodType		Integer		int32
locale		String		
maxDepositAmount		Long		int64
maxDepositTerm		Integer		int32
maxDepositTermTypeId		Integer		int32
minDepositAmount		Long		int64
minDepositTerm		Integer		int32

Field Name	Required	Type	Description	Format
minDepositTermTypeId		Integer		int32
name		String		
preClosurePenalApplicable		Boolean		
preClosurePenalInterest		Double		double
preClosurePenalInterestOnTypeId		Integer		int32
recurringDepositFrequency		Integer		int32
recurringDepositFrequencyTypeId		Integer		int32
shortName		String		

### *PostRecurringDepositProductsResponse*

PostRecurringDepositProductsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostReportMailingJobsRequest*

PostReportMailingJobsRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
emailMessage		String		
emailRecipients		String		
emailSubject		String		
isActive		Boolean		
locale		String		

Field Name	Required	Type	Description	Format
name		String		
recurrence		String		
startDateTime		Date		date-time
stretchyReportId		Long		int64
stretchyReportParamMap		String		

## *PostReportMailingJobsResponse*

PostReportMailingJobsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostReportsResponse*

PostReportsResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostRepostRequest*

PostRepostRequest

Field Name	Required	Type	Description	Format
description		String		
reportCategory		String		
reportName		String		
reportParameters		List of <a href="#">[object]</a>		
reportSql		String		
reportSubType		String		
reportType		String		

## *PostResourceTypeResourceIdNotesRequest*

PostResourceTypeResourceIdNotesRequest

Field Name	Required	Type	Description	Format
note		String		

## *PostResourceTypeResourceIdNotesResponse*

PostResourceTypeResourceIdNotesResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PostRolesRequest*

PostRolesRequest

Field Name	Required	Type	Description	Format
description		String		
name		String		

## *PostRolesResponse*

PostRolesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostRolesRoleIdPermissionsResponsePermissions*

Field Name	Required	Type	Description	Format
ALL_FUNCTIONS_READ		String		

## *PostRolesRoleIdResponse*

PostRolesRoleIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostRunaccrualsRequest*

runaccrualsRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
tillDate	X	String	which specifies periodic accruals should happen till the given Date	

## *PostSavingsAccountTransactionsRequest*

PostSavingsAccountTransactionsRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
lienAllowed		String		
locale		String		
reasonForBlock		String		
transactionAmount		Integer		int32
transactionDate		String		

## *PostSavingsAccountTransactionsResponse*

PostSavingsAccountTransactionsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32

Field Name	Required	Type	Description	Format
resourceId		Integer		int32
savingsId		Integer		int32

### *PostSavingsAccountsAccountIdRequest*

PostSavingsAccountsAccountIdRequest

Field Name	Required	Type	Description	Format
activatedOnDate		String		
approvedOnDate		String		
dateFormat		String		
locale		String		

### *PostSavingsAccountsAccountIdResponse*

PostSavingsAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
changes		Object		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostSavingsAccountsRequest*

PostSavingsAccountsRequest

Field Name	Required	Type	Description	Format
clientId		Integer		int32
dateFormat		String		
locale		String		
productId		Integer		int32
submittedOnDate		String		

## *PostSavingsAccountsResponse*

PostSavingsAccountsResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PostSavingsAccountsSavingsAccountIdChargesRequest*

PostSavingsAccountsSavingsAccountIdChargesRequest

Field Name	Required	Type	Description	Format
amount		Float		float
chargeId		Integer		int32
dateFormat		String		
dueDate		String		
locale		String		

## *PostSavingsAccountsSavingsAccountIdChargesResponse*

PostSavingsAccountsSavingsAccountIdChargesResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest*

PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest

Field Name	Required	Type	Description	Format
amount		Float		float
dateFormat		String		
dueDate		String		
locale		String		

### *PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse*

PostSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PostSavingsCharges*

Field Name	Required	Type	Description	Format
id		Integer		int32

### *PostSavingsProductsRequest*

PostSavingsProductsRequest

Field Name	Required	Type	Description	Format
accountMappingForPayment		String		
accountingRule		Integer		int32
charges		Set of <a href="#">PostSavingsCharges</a>		
currencyCode		String		
description		String		



Field Name	Required	Type	Description	Format
digitsAfterDecimal		Integer		int32
inMultiplesOf		Integer		int32
interestCalculationDaysInYearType		Integer		int32
interestCalculationType		Integer		int32
interestCompoundingPeriodType		Integer		int32
interestPostingPeriodType		Integer		int32
locale		String		
name		String		
nominalAnnualInterestRate		Double		double
shortName		String		

### *PostSavingsProductsResponse*

PostSavingsProductsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostSelfAuthenticationResponse*

PostSelfAuthenticationResponse

Field Name	Required	Type	Description	Format
authenticated		Boolean		
base64EncodedAuthenticationKey		String		
clients		List of <a href="#">[integer]</a>		int32
isSelfServiceUser		Boolean		
officeId		Integer		int32

Field Name	Required	Type	Description	Format
officeName		String		
organisationalRole		GetSelfUserDetails OrganisationalRole		
permissions		List of <a href="#">[string]</a>		
roles		Set of <a href="#">GetSelfUserDetailsRoles</a>		
staffDisplayName		String		
staffId		Integer		int32
userId		Integer		int32
username		String		

### *PostSelfBeneficiariesTPTRrequest*

PostSelfBeneficiariesTPTRrequest

Field Name	Required	Type	Description	Format
accountNumber		Long		int64
accountType		Integer		int32
locale		String		
name		String		
officeName		String		
transferLimit		Integer		int32

### *PostSelfBeneficiariesTPTRresponse*

PostSelfBeneficiariesTPTRresponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostSelfLoansData*

Field Name	Required	Type	Description	Format
Activation_Date		String		
dateFormat		String		
locale		String		

### *PostSelfLoansDatatables*

Field Name	Required	Type	Description	Format
data		PostSelfLoansData		
registeredTableName		String		

### *PostSelfLoansDisbursementData*

Field Name	Required	Type	Description	Format
approvedPrincipal		Long		int64
expectedDisbursementDate		String		
principal		Long		int64

### *PostSelfLoansLoanIdChanges*

Field Name	Required	Type	Description	Format
closedOnDate		String		
dateFormat		String		
locale		String		
status		PostSelfLoansLoanIdStatus		
withdrawnOnDate		String		

### *PostSelfLoansLoanIdRequest*

PostSelfLoansLoanIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
note		String		
withdrawnOnDate		String		

### *PostSelfLoansLoanIdResponse*

PostSelfLoansLoanIdResponse

Field Name	Required	Type	Description	Format
changes		PostSelfLoansLoanIdChanges		
clientId		Integer		int32
loanId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostSelfLoansLoanIdStatus*

Field Name	Required	Type	Description	Format
active		Boolean		
closed		Boolean		
closedObligationsMet		Boolean		
closedRescheduled		Boolean		
closedWrittenOff		Boolean		
code		String		
description		String		
id		Integer		int32
overpaid		Boolean		
pendingApproval		Boolean		

Field Name	Required	Type	Description	Format
waitingForDisbursal		Boolean		

## *PostSelfLoansRequest*

### PostSelfLoansRequest

Field Name	Required	Type	Description	Format
amortizationType		Integer		int32
clientId		Integer		int32
datatables		Set of <a href="#"><i>PostSelfLoansDatatables</i></a>		
dateFormat		String		
disbursementData		Set of <a href="#"><i>PostSelfLoansDisbursementData</i></a>		
expectedDisbursementDate		String		
fixedEmiAmount		Integer		int32
interestCalculationPeriodType		Integer		int32
interestRatePerPeriod		Integer		int32
interestType		Integer		int32
linkAccountId		Integer		int32
loanTermFrequency		Integer		int32
loanTermFrequencyType		Integer		int32
loanType		String		
locale		String		
maxOutstandingLoanBalance		Long		int64

Field Name	Required	Type	Description	Format
numberOfRepayments		Integer		int32
principal		Double		double
productId		Integer		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		Integer		int32
submittedOnDate		String		
transactionProcessingStrategyId		Integer		int32

### *PostSelfLoansResponse*

PostSelfLoansResponse

Field Name	Required	Type	Description	Format
clientId		Integer		int32
loanId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PostStaffRequest*

PostStaffRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
externalId		String		
firstname		String		
isActive		Boolean		
isLoanOfficer		Boolean		
joiningDate		date		date
lastname		String		

Field Name	Required	Type	Description	Format
locale		String		
mobileNo		String		
officeId		Long		int64

## *PostStandingInstructionsRequest*

PostStandingInstructionsRequest

Field Name	Required	Type	Description	Format
amount		Integer		int32
dateFormat		String		
fromAccountId		Long		int64
fromAccountType		Integer		int32
fromClientId		Long		int64
fromOfficeId		Long		int64
instructionType		Integer		int32
locale		String	en	
monthDayFormat		String		
name		String		
priority		Integer		int32
recurrenceFrequency		Integer		int32
recurrenceInterval		Integer		int32
recurrenceOnMonthDay		String		
recurrenceType		Integer		int32
status		Integer		int32
toAccountId		Long		int64
toAccountType		Integer		int32
toClientId		Long		int64
toOfficeId		Long		int64
transferType		Integer		int32

Field Name	Required	Type	Description	Format
validFrom		String		

### *PostStandingInstructionsResponse*

PostStandingInstructionsResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
resourceId		Integer		int32

### *PostSurveySurveyNameApptableIdRequest*

PostSurveySurveyNameApptableIdRequest

Field Name	Required	Type	Description	Format
Date		Date		date-time
dateFormat		Date		date-time
locale		String		
ppi_businessoccupation_cd_q3_businessoccupation		Long		int64
ppi_floortype_cd_q5_floortype		Long		int64
ppi_fryingpans_cd_q10_fryingpans		Long		int64
ppi_habitablerooms_cd_q4_habitablerooms		Long		int64
ppi_highestschool_cd_q2_highestschool		Long		int64



Field Name	Required	Type	Description	Format
ppi_household_members_cd_q1_householdmembers		Long		int64
ppi_irons_cd_q7_irons		Long		int64
ppi_lightingsource_cd_q6_lightingsource		Long		int64
ppi_mosquitonets_cd_q8_mosquitonets		Long		int64
ppi_towels_cd_q9_towels		Long		int64

### *PostSurveySurveyNameApptableIdResponse*

PostSurveySurveyNameApptableIdResponse

Field Name	Required	Type	Description	Format
clientId		Long		int64
officeId		Long		int64
resourceId		Long		int64

### *PostTaxesComponentsRequest*

PostTaxesComponentsRequest

Field Name	Required	Type	Description	Format
creditAccountType		Integer		int32
creditAccountId		Integer		int32
dateFormat		String		
locale		String		
name		String		
percentage		Float		float

Field Name	Required	Type	Description	Format
startDate		String		

### *PostTaxesComponentsResponse*

PostTaxesComponentsResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostTaxesGroupRequest*

PostTaxesGroupRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
name		String		
taxComponents		Set of <a href="#">PostTaxesGroupTaxComponents</a>		

### *PostTaxesGroupResponse*

PostTaxesGroupResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PostTaxesGroupTaxComponents*

Field Name	Required	Type	Description	Format
startDate		String		
taxComponentId		Integer		int32

## PostTellersRequest

PostTellersRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
locale		String		
name		String		
officeId		Long		int64
startDate		date		date
status		String		Enum: INVALID, PENDING, ACTIVE, INACTIVE, CLOSED,

## PostTellersResponse

PostTellersResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

## PostTellersTellerIdCashiersCashierIdAllocateRequest

PostTellersTellerIdCashiersCashierIdAllocateRequest

Field Name	Required	Type	Description	Format
currencyCode		String		
dateFormat		String		
locale		String		

Field Name	Required	Type	Description	Format
txnAmount		BigDecimal		
txnDate		Date		date-time
txnNote		String		

### *PostTellersTellerIdCashiersCashierIdAllocateResponse*

PostTellersTellerIdCashiersCashierIdAllocateResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64
subResourceId		Long		int64

### *PostTellersTellerIdCashiersCashierIdSettleRequest*

PostTellersTellerIdCashiersCashierIdSettleRequest

Field Name	Required	Type	Description	Format
currencyCode		String		
dateFormat		String		
locale		String		
txnAmount		BigDecimal		
txnDate		Date		date-time
txnNote		String		

### *PostTellersTellerIdCashiersCashierIdSettleResponse*

PostTellersTellerIdCashiersCashierIdSettleResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64
subResourceId		Long		int64

## *PostTellersTellerIdCashiersRequest*

PostTellersTellerIdCashiersRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
endDate		date		date
isFullDay		Boolean		
locale		String		
staffId		Long		int64
startDate		date		date

## *PostTellersTellerIdCashiersResponse*

PostTellersTellerIdCashiersResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64
subResourceId		Long		int64

## *PostTemplatesRequest*

PostTemplatesRequest

Field Name	Required	Type	Description	Format
entity		Long		int64
id		Long		int64
mappers		List of <a href="#">TemplateMapper</a>		
name		String		
text		String		
type		Long		int64

## *PostTemplatesResponse*

PostTemplatesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PostUsersRequest*

PostUsersRequest

Field Name	Required	Type	Description	Format
email		String		
firstname		String		
isSelfServiceUser		Boolean		
lastname		String		
officeId		Long		int64
roles		String		
sendPasswordToEmail		Boolean		
staffId		Long		int64
username		String		

## *PostUsersResponse*

PostUsersResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64

## *PostalAddress*

Field Name	Required	Type	Description	Format
addressLine1		String		

Field Name	Required	Type	Description	Format
addressLine2		String		
city		String		
country		String		
postalCode		String		
stateProvince		String		

### *ProcessingResultLookup*

Field Name	Required	Type	Description	Format
id		Long		int64
processingResult		String		

### *ProvisioningCriteriaDefinitionData*

Field Name	Required	Type	Description	Format
categoryId		Long		int64
categoryName		String		
expenseAccount		Long		int64
expenseCode		String		
id		Long		int64
liabilityAccount		Long		int64
liabilityCode		String		
maxAge		Long		int64
minAge		Long		int64
provisioningPercentage		BigDecimal		

### *ProvisioningEntryData*

Field Name	Required	Type	Description	Format
createdDate		Date		date-time
entries		List of <a href="#">LoanProductProvisioningEntryData</a>		
id		Long		int64

### *PutAccountNumberFormatsRequest*

PutAccountNumberFormatsRequest

Field Name	Required	Type	Description	Format
prefixType		Long		int64

### *PutAccountNumberFormatsResponse*

PutAccountNumberFormatsResponse

Field Name	Required	Type	Description	Format
changes		PutAccountNumberFormatschangesSwagger		
resourceId		Long		int64

### *PutAccountNumberFormatschangesSwagger*

Field Name	Required	Type	Description	Format
prefixType		Long		int64

### *PutAccountingRulesRequest*

PutAccountingRulesRequest

Field Name	Required	Type	Description	Format
name		String		



## *PutAccountingRulesResponse*

PutAccountingRulesResponse

Field Name	Required	Type	Description	Format
changes		PutAccountingRulesResponsechangesSwagger		
resourceId		Long		int64

## *PutAccountingRulesResponsechangesSwagger*

Field Name	Required	Type	Description	Format
name		String		

## *PutAccountsChanges*

Field Name	Required	Type	Description	Format
applicationDate		String		
dateFormat		String		
locale		String		
requestedShares		Integer		int32

## *PutAccountsTypeAccountIdRequest*

PutAccountsTypeAccountIdRequest

Field Name	Required	Type	Description	Format
applicationDate		String		
dateFormat		String		
locale		String		
requestedShares		Integer		int32

## *PutAccountsTypeAccountIdResponse*

PutAccountsTypeAccountIdResponse

Field Name	Required	Type	Description	Format
changes		PutAccountsChanges		
resourceId		Integer		int32

### *PutCachechangesSwagger*

Field Name	Required	Type	Description	Format
cacheType		Long		int64

### *PutCachesRequest*

PutCachesRequest

Field Name	Required	Type	Description	Format
cacheType		Long		int64

### *PutCachesResponse*

PutCachesResponse

Field Name	Required	Type	Description	Format
cacheType		PutCachechangesSwagger		

### *PutCentersCenterIdRequest*

PutCentersCenterIdRequest

Field Name	Required	Type	Description	Format
name		String		

### *PutCentersCenterIdResponse*

PutCentersCenterIdResponse

Field Name	Required	Type	Description	Format
changes		PutCentersChanges		
groupId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PutCentersChanges*

Field Name	Required	Type	Description	Format
name		String		

### *PutChargeTransactionChangesRequest*

PutChargeTransactionChangesRequest

Field Name	Required	Type	Description	Format
id		Integer		int32
loanId		Integer		int32

### *PutChargeTransactionChangesResponse*

PutChargeTransactionChangesResponse

Field Name	Required	Type	Description	Format
changes		Changes		
loanId		Integer		int32
resourceId		Integer		int32

### *PutChargesChargeIdRequest*

PutChargesChargeIdRequest

Field Name	Required	Type	Description	Format
name		String		

## *PutChargesChargeIdResponse*

PutChargesChargeIdResponse

Field Name	Required	Type	Description	Format
changes		PutChargesChargeIdRequest		
resourceId		Integer		int32

## *PutClientClientIdAddressesRequest*

PutClientClientIdAddressesRequest

Field Name	Required	Type	Description	Format
addressId		Integer		int32
street		String		

## *PutClientClientIdAddressesResponse*

PutClientClientIdAddressesResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

## *PutClientCollateralRequest*

PutClientCollateralRequest

Field Name	Required	Type	Description	Format
locale		String		
quantity		BigDecimal		

## *PutClientCollateralResponse*

PutClientCollateralResponse

Field Name	Required	Type	Description	Format
changes		PutClientCollateral Request		
clientId		Integer		int32
resourceId		Integer		int32

### *PutClientsClientIdIdentifiersIdentifierIdRequest*

PutClientsClientIdIdentifiersIdentifierIdRequest

Field Name	Required	Type	Description	Format
description		String		
documentKey		String		
documentTypeId		Integer		int32

### *PutClientsClientIdIdentifiersIdentifierIdResponse*

PutClientsClientIdIdentifiersIdentifierIdResponse

Field Name	Required	Type	Description	Format
changes		PutClientsClientIdIdentifiersIdentifierIdRequest		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PutClientsClientIdRequest*

PutClientsClientIdRequest

Field Name	Required	Type	Description	Format
externalId		String		

## *PutClientsClientIdResponse*

PutClientsClientIdResponse

Field Name	Required	Type	Description	Format
changes		PutClientsClientIdRequest		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

## *PutCodeValueDataResponse*

PutCodeValueDataResponse

Field Name	Required	Type	Description	Format
changes		PutCodeValuechangesSwagger		
resourceId		Long		int64

## *PutCodeValuechangesSwagger*

Field Name	Required	Type	Description	Format
description		String		
name		String		
position		Integer		int32

## *PutCodeValuesDataRequest*

PutCodeValuesDataRequest

Field Name	Required	Type	Description	Format
description		String		
name		String		
position		Integer		int32

### *PutCodesApichangesSwagger*

Field Name	Required	Type	Description	Format
name		String		

### *PutCodesRequest*

PutCodesRequest

Field Name	Required	Type	Description	Format
name		String		

### *PutCodesResponse*

PutCodesResponse

Field Name	Required	Type	Description	Format
changes		PutCodesApichangesSwagger		
resourceId		Long		int64

### *PutCollateralProductRequest*

PutCollateralProductRequest

Field Name	Required	Type	Description	Format
basePrice		BigDecimal		
currency		String		
name		String		
pctToBase		BigDecimal		
quality		String		
unitType		String		

### *PutCollateralProductResponse*

PutCollateralProductResponse

Field Name	Required	Type	Description	Format
changes		PutCollateralProductRequest		
resourceId		Integer		int32

### *PutCurrenciesRequest*

PutCurrenciesRequest

Field Name	Required	Type	Description	Format
currencies		String		

### *PutCurrenciesResponse*

PutCurrenciesResponse

Field Name	Required	Type	Description	Format
currencies		String		

### *PutDataTablesAppTableIdDatatableIdRequest*

PutDataTablesAppTableIdDatatableIdRequest

Field Name	Required	Type	Description	Format
DateOfBirth		String		
Education_cdHighest		Long		int64
Name		String		
OtherNotes		String		
PointsScore		Long		int64
dateFormat		String		
locale		String		

### *PutDataTablesAppTableIdDatatableIdResponse*

PutDataTablesAppTableIdDatatableIdResponse



Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PutDataTablesAppTableIdRequest*

PutDataTablesAppTableIdRequest

Field Name	Required	Type	Description	Format
BusinessDescription		String		

### *PutDataTablesAppTableIdResponse*

PutDataTablesAppTableIdResponse

Field Name	Required	Type	Description	Format
changes		PutDataTablesAppTableIdResponseChanges		
resourceId		Long		int64

### *PutDataTablesAppTableIdResponseChanges*

Field Name	Required	Type	Description	Format
BusinessDescription		String		

### *PutDataTablesRequest*

PutDataTablesRequest

Field Name	Required	Type	Description	Format
ChangeColumns		List of <a href="#">PutDataTablesRequestChangeColumns</a>		

Field Name	Required	Type	Description	Format
addColumnns		List of <a href="#">PutDataTablesRequestAddColumns</a>		
appTableName		String		
dropColumns		List of <a href="#">PutDataTablesRequestDropColumns</a>		

### *PutDataTablesRequestAddColumns*

Field Name	Required	Type	Description	Format
code		String		
mandatory		Boolean		
name		String		
type		String		

### *PutDataTablesRequestChangeColumns*

Field Name	Required	Type	Description	Format
code		String		
mandatory		Boolean		
name		String		
newCode		String		
newName		String		

### *PutDataTablesRequestDropColumns*

Field Name	Required	Type	Description	Format
name		String		

### *PutDataTablesResponse*

PutDataTablesResponse

Field Name	Required	Type	Description	Format
resourceIdentifier		String		

### *PutEntityTypeEntityIdDocumentsResponse*

PutEntityTypeEntityIdDocumentsResponse

Field Name	Required	Type	Description	Format
changes		Object		
resourceId		Long		int64
resourceIdentifier		String		

### *PutExternalServiceRequest*

PutExternalServiceRequest

Field Name	Required	Type	Description	Format
password		String		
username		String		

### *PutFinancialActivityAccountsResponse*

PutFinancialActivityAccountsResponse

Field Name	Required	Type	Description	Format
comments		PutFinancialActivityAccountscommentsSwagger		
resourceId		Long		int64

### *PutFinancialActivityAccountscommentsSwagger*

Field Name	Required	Type	Description	Format
glAccountId		Long		int64

## *PutFixedDepositAccountsAccountIdRequest*

PutFixedDepositAccountsAccountIdRequest

Field Name	Required	Type	Description	Format
depositAmount		Float		float
locale		String		

## *PutFixedDepositAccountsAccountIdResponse*

PutFixedDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
changes		PutFixedDepositAccountsChanges		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PutFixedDepositAccountsChanges*

Field Name	Required	Type	Description	Format
depositAmount		Float		float
locale		String		

## *PutFixedDepositProductsProductsChanges*

Field Name	Required	Type	Description	Format
description		String		
minDepositTerm		Integer		int32

## *PutFixedDepositProductsProductIdRequest*

PutFixedDepositProductsProductIdRequest

Field Name	Required	Type	Description	Format
description		String		
locale		String		
minDepositTerm		Integer		int32
minDepositTermType		Integer		int32

### *PutFixedDepositProductsProductIdResponse*

PutFixedDepositProductsProductIdResponse

Field Name	Required	Type	Description	Format
changes		PutFixedDepositProductsChanges		
resourceId		Integer		int32

### *PutFloatingRatesChanges*

Field Name	Required	Type	Description	Format
ratePeriods		Set of <a href="#">PostFloatingRatesRatePeriods</a>		

### *PutFloatingRatesFloatingRateIdRequest*

PutFloatingRatesFloatingRateIdRequest

Field Name	Required	Type	Description	Format
isActive		Boolean		
isBaseLendingRate		Boolean		
name		String		
ratePeriods		Set of <a href="#">PostFloatingRatesRatePeriods</a>		

## *PutFloatingRatesFloatingRateIdResponse*

PutFloatingRatesFloatingRateIdResponse

Field Name	Required	Type	Description	Format
changes		PutFloatingRatesChanges		
resourceId		Integer		int32

## *PutFundsFundIdRequest*

PutFundsFundIdRequest

Field Name	Required	Type	Description	Format
name		String		

## *PutFundsFundIdResponse*

PutFundsFundIdResponse

Field Name	Required	Type	Description	Format
changes		PutFundsFundIdRequest		
resourceId		Integer		int32

## *PutGLAccountsRequest*

PutGLAccountsRequest

Field Name	Required	Type	Description	Format
name		String		

## *PutGLAccountsResponse*

PutGLAccountsResponse

Field Name	Required	Type	Description	Format
changes		PutGLAccountsResponsechangesSwagger		
resourceId		Integer		int32

### *PutGLAccountsResponsechangesSwagger*

Field Name	Required	Type	Description	Format
name		String		

### *PutGlclosuresRequest*

PutGlclosuresRequest

Field Name	Required	Type	Description	Format
comments		String		

### *PutGlclosuresResponse*

PutGlclosuresResponse

Field Name	Required	Type	Description	Format
comments		String		
officeId		Long		int64
resourceId		Long		int64

### *PutGlobalConfigurationsRequest*

PutGlobalConfigurationsRequest

Field Name	Required	Type	Description	Format
description		Long		int64
enabled		Boolean		

## *PutGlobalConfigurationsResponse*

PutGlobalConfigurationsResponse

Field Name	Required	Type	Description	Format
changes		PutGlobalConfigurationsResponsechangesSwagger		
resourceId		Long		int64

## *PutGlobalConfigurationsResponsechangesSwagger*

Field Name	Required	Type	Description	Format
enabled		Boolean		

## *PutGroupsGroupIdChanges*

Field Name	Required	Type	Description	Format
name		String		

## *PutGroupsGroupIdRequest*

PutGroupsGroupIdRequest

Field Name	Required	Type	Description	Format
name		String		

## *PutGroupsGroupIdResponse*

PutGroupsGroupIdResponse

Field Name	Required	Type	Description	Format
changes		PutGroupsGroupIdChanges		
groupId		Integer		int32
officeId		Integer		int32



Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PutHolidaysHolidayIdRequest*

PutHolidaysHolidayIdRequest

Field Name	Required	Type	Description	Format
description		String		
name		String		

### *PutHolidaysHolidayIdResponse*

PutHolidaysHolidayIdResponse

Field Name	Required	Type	Description	Format
changes		PutHolidaysHolidayIdResponseChanges		
resourceId		Long		int64

### *PutHolidaysHolidayIdResponseChanges*

Field Name	Required	Type	Description	Format
description		String		
name		String		

### *PutHookRequest*

PutHookRequest

Field Name	Required	Type	Description	Format
config		List of <i>Field</i>		
displayName		String		
events		List of <i>Event</i>		

Field Name	Required	Type	Description	Format
isActive		Boolean		
name		String		
templateId		Long		int64

### *PutHookResponse*

PutHookResponse

Field Name	Required	Type	Description	Format
changes		PutHookResponseChangesSwagger		
resourceId		Long		int64

### *PutHookResponseChangesSwagger*

Field Name	Required	Type	Description	Format
config		List of <i>Field</i>		
displayName		String		
events		List of <i>Event</i>		

### *PutInterestRateChartsChartIdChartSlabsChartSlabIdRequest*

PutInterestRateChartsChartIdChartSlabsChartSlabIdRequest

Field Name	Required	Type	Description	Format
annualInterestRate		Double		double
description		String		

### *PutInterestRateChartsChartIdChartSlabsChartSlabIdResponse*

PutInterestRateChartsChartIdChartSlabsChartSlabIdResponse

Field Name	Required	Type	Description	Format
changes		PutInterestRateChartsChartIdChartSlabsChartSlabIdRequest		
resourceId		Integer		int32

### *PutInterestRateChartsChartIdRequest*

PutInterestRateChartsChartIdRequest

Field Name	Required	Type	Description	Format
description		String		
name		String		

### *PutInterestRateChartsChartIdResponse*

PutInterestRateChartsChartIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PutJobsJobIDRequest*

PutJobsJobsIDRequest

Field Name	Required	Type	Description	Format
active		Boolean		
cronExpression		String		
displayName		String		

### *PutLoanChanges*

Field Name	Required	Type	Description	Format
locale		String		

Field Name	Required	Type	Description	Format
principal		Double		double

### *PutLoanProductsProductIdRequest*

PutLoanProductsProductIdRequest

Field Name	Required	Type	Description	Format
locale		String		
principal		Double		double

### *PutLoanProductsProductIdResponse*

PutLoanProductsProductIdResponse

Field Name	Required	Type	Description	Format
changes		PutLoanChanges		
resourceId		Integer		int32

### *PutLoansLoanIdChanges*

Field Name	Required	Type	Description	Format
locale		String		
principal		Long		int64

### *PutLoansLoanIdChargesChargeIdRequest*

PutLoansLoanIdChargesChargeIdRequest

Field Name	Required	Type	Description	Format
amount		Float		float
dateFormat		String		
dueDate		String		

Field Name	Required	Type	Description	Format
locale		String		

### *PutLoansLoanIdChargesChargeIdResponse*

PutLoansLoanIdChargesChargeIdResponse

Field Name	Required	Type	Description	Format
changes		PutLoansLoanIdChargesChargeIdRequest		
clientId		Long		int64
loanId		Long		int64
officeId		Long		int64
resourceId		Integer		int32

### *PutLoansLoanIdCollateralsCollateralIdResponse*

PutLoansLoanIdCollateralsCollateralIdResponse

Field Name	Required	Type	Description	Format
changes		PutLoansLoanIdCollateralsCollateralIdRequest		
loanId		Integer		int32
resourceId		Integer		int32

### *PutLoansLoanIdRequest*

PutLoansLoanIdRequest

Field Name	Required	Type	Description	Format
amortizationType		Integer		int32
dateFormat		String		

Field Name	Required	Type	Description	Format
expectedDisbursementDate		String		
fixedPrincipalPercentagePerInstallment		BigDecimal		
interestCalculationPeriodType		Integer		int32
interestRatePerPeriod		Integer		int32
interestType		Integer		int32
loanTermFrequency		Integer		int32
loanTermFrequencyType		Integer		int32
locale		String		
numberOfRepayments		Integer		int32
principal		Long		int64
productId		Integer		int32
repaymentEvery		Integer		int32
repaymentFrequencyType		Integer		int32
transactionProcessingStrategyId		Integer		int32

### *PutLoansLoanIdResponse*

PutLoansLoanIdResponse

Field Name	Required	Type	Description	Format
changes		PutLoansLoanIdChanges		
clientId		Integer		int32
loanId		Integer		int32

Field Name	Required	Type	Description	Format
officeId		Integer		int32
resourceId		Integer		int32

### *PutLoansLoandIdCollateralsCollateralIdRequest*

PutLoansLoandIdCollateralsCollateralIdRequest

Field Name	Required	Type	Description	Format
description		String		

### *PutNotesChanges*

Field Name	Required	Type	Description	Format
note		String		

### *PutOfficesOfficeIdRequest*

PutOfficesOfficeIdRequest

Field Name	Required	Type	Description	Format
name		String		

### *PutOfficesOfficeIdResponse*

PutOfficesOfficeIdResponse

Field Name	Required	Type	Description	Format
changes		PutOfficesOfficeIdResponseChanges		
officeId		Long		int64
resourceId		Long		int64

### *PutOfficesOfficeIdResponseChanges*

Field Name	Required	Type	Description	Format
name		String		

### *PutPasswordPreferencesTemplateRequest*

PutPasswordPreferencesTemplateRequest

Field Name	Required	Type	Description	Format
validationPolicyId		Long		int64

### *PutPaymentTypesPaymentTypeIdRequest*

PutPaymentTypesPaymentTypeIdRequest

Field Name	Required	Type	Description	Format
description		String		
isCashPayment		Boolean		
name		String		
position		Integer		int32

### *PutPaymentTypesPaymentTypeIdResponse*

PutPaymentTypesPaymentTypeIdResponse

Field Name	Required	Type	Description	Format
resourceId		Integer		int32

### *PutPermissionsRequest*

PutPermissionsRequest

Field Name	Required	Type	Description	Format
permissions		String		



## *PutProductsChanges*

Field Name	Required	Type	Description	Format
description		String		
locale		String		
unitPrice		Double		double

## *PutProductsTypeProductIdRequest*

PutProductsTypeProductIdRequest

Field Name	Required	Type	Description	Format
description		String		
locale		String		
unitPrice		Double		double

## *PutProductsTypeProductIdResponse*

PutProductsTypeProductIdResponse

Field Name	Required	Type	Description	Format
changes		PutProductsChanges		
resourceId		Integer		int32

## *PutProvisioningCriteriaRequest*

PutProvisioningCriteriaRequest

Field Name	Required	Type	Description	Format
criteriaName		String		
loanProducts		List of <a href="#">LoanProductData</a>		
provisioningcriteria		List of <a href="#">ProvisioningCriteriaDefinitionData</a>		

## *PutProvisioningCriteriaResponse*

PutProvisioningCriteriaResponse

Field Name	Required	Type	Description	Format
changes		PutProvisioningCriteriaResponseChanges		
resourceId		Long		int64

## *PutProvisioningCriteriaResponseChanges*

Field Name	Required	Type	Description	Format
criteriaName		String		

## *PutProvisioningEntriesRequest*

PutProvisioningEntriesRequest

Field Name	Required	Type	Description	Format
command		String		

## *PutProvisioningEntriesResponse*

PutProvisioningEntriesResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

## *PutRecurringDepositAccountsAccountIdRequest*

PutRecurringDepositAccountsAccountIdRequest

Field Name	Required	Type	Description	Format
depositAmount		Integer		int32
locale		String		

## *PutRecurringDepositAccountsAccountIdResponse*

PutRecurringDepositAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
changes		PutRecurringDepositAccountsChanges		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

## *PutRecurringDepositAccountsChanges*

Field Name	Required	Type	Description	Format
depositAmount		Integer		int32
locale		String		

## *PutRecurringDepositProductsChanges*

Field Name	Required	Type	Description	Format
description		String		
minDepositTerm		Integer		int32

## *PutRecurringDepositProductsRequest*

PutRecurringDepositProductsRequest

Field Name	Required	Type	Description	Format
description		String		
locale		String		
minDepositTerm		Integer		int32
minDepositTermTypeId		Integer		int32

## *PutRecurringDepositProductsResponse*

PutRecurringDepositProductsResponse

Field Name	Required	Type	Description	Format
changes		PutRecurringDepositProductsChanges		
resourceId		Integer		int32

## *PutReportMailingJobsRequest*

PutReportMailingJobsRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
startDateTime		Date		date-time

## *PutReportMailingJobsResponse*

PutReportMailingJobsResponse

Field Name	Required	Type	Description	Format
changes		PutReportMailingJobsResponseChanges		
resourceId		Long		int64

## *PutReportMailingJobsResponseChanges*

Field Name	Required	Type	Description	Format
startDateTime		Date		date-time

## *PutReportRequest*

PutReportRequest

Field Name	Required	Type	Description	Format
reportName		String		
reportParameters		List of <a href="#">[object]</a>		

## *PutReportResponse*

PutReportResponse

Field Name	Required	Type	Description	Format
changes		PutReportResponse Changes		
resourceId		Long		int64

## *PutReportResponseChanges*

Field Name	Required	Type	Description	Format
reportName		String		
reportParameters		List of <a href="#">[object]</a>		

## *PutResourceTypeResourceIdNotesNoteIdRequest*

PutResourceTypeResourceIdNotesNoteIdRequest

Field Name	Required	Type	Description	Format
note		String		

## *PutResourceTypeResourceIdNotesNoteIdResponse*

PutResourceTypeResourceIdNotesNoteIdResponse

Field Name	Required	Type	Description	Format
changes		PutNotesChanges		

Field Name	Required	Type	Description	Format
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PutRolesRoleIdPermissionsRequest*

PutRolesRoleIdPermissionsRequest

Field Name	Required	Type	Description	Format
permissions		PostRolesRoleIdPermissionsResponsePermissions		

### *PutRolesRoleIdPermissionsResponse*

PutRolesRoleIdPermissionsResponse

Field Name	Required	Type	Description	Format
permissions		PostRolesRoleIdPermissionsResponsePermissions		
resourceId		Long		int64

### *PutRolesRoleIdRequest*

PutRolesRoleIdRequest

Field Name	Required	Type	Description	Format
description		String		

### *PutRolesRoleIdResponse*

PutRolesRoleIdResponse

Field Name	Required	Type	Description	Format
changes		PutRolesRoleIdResponseChanges		
resourceId		Long		int64

### *PutRolesRoleIdResponseChanges*

Field Name	Required	Type	Description	Format
description		String		

### *PutSavingsAccountsAccountIdRequest*

PutSavingsAccountsAccountIdRequest

Field Name	Required	Type	Description	Format
locale		String		
nominalAnnualInterestRate		Double		double

### *PutSavingsAccountsAccountIdResponse*

PutSavingsAccountsAccountIdResponse

Field Name	Required	Type	Description	Format
changes		PutSavingsAccountsChanges		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PutSavingsAccountsChanges*

Field Name	Required	Type	Description	Format
locale		String		
nominalAnnualInterestRate		Double		double

### *PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest*

PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdRequest

Field Name	Required	Type	Description	Format
amount		Float		float
dateFormat		String		
dueDate		String		
locale		String		

### *PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse*

PutSavingsAccountsSavingsAccountIdChargesSavingsAccountChargeIdResponse

Field Name	Required	Type	Description	Format
changes		PutSavingsChanges		
clientId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32
savingsId		Integer		int32

### *PutSavingsChanges*

Field Name	Required	Type	Description	Format
description		String		
interestRate		Double		double
locale		String		



### *PutSavingsProductsProductIdRequest*

PutSavingsProductsProductIdRequest

Field Name	Required	Type	Description	Format
description		String		
interestRate		Double		double
locale		String		

### *PutSavingsProductsProductIdResponse*

PutSavingsProductsProductIdResponse

Field Name	Required	Type	Description	Format
changes		PutSavingsChanges		
resourceId		Integer		int32

### *PutSelfBeneficiariesChanges*

Field Name	Required	Type	Description	Format
name		String		
transferLimit		Integer		int32

### *PutSelfBeneficiariesTPTBeneficiaryIdRequest*

PutSelfBeneficiariesTPTBeneficiaryIdRequest

Field Name	Required	Type	Description	Format
name		String		
transferLimit		Integer		int32

### *PutSelfBeneficiariesTPTBeneficiaryIdResponse*

PutSelfBeneficiariesTPTBeneficiaryIdResponse

Field Name	Required	Type	Description	Format
changes		PutSelfBeneficiariesChanges		
resourceId		Integer		int32

### *PutSelfLoansChanges*

Field Name	Required	Type	Description	Format
locale		String		
principal		Long		int64

### *PutSelfLoansLoanIdRequest*

PutSelfLoansLoanIdRequest

Field Name	Required	Type	Description	Format
amortizationType		Integer		int32
dateFormat		String		
expectedDisbursementDate		String		
interestCalculationPeriodType		Integer		int32
interestRatePeriod		Integer		int32
interestType		Integer		int32
loanTermFrequency		Integer		int32
loanTermFrequencyType		Integer		int32
locale		String		
numberOfRepayments		Integer		int32
principal		Long		int64
productId		Integer		int32

Field Name	Required	Type	Description	Format
repaymentEvery		Integer		int32
repaymentFrequencyType		Integer		int32
transactionProcessingStrategyId		Integer		int32

### *PutSelfLoansLoanIdResponse*

PutSelfLoansLoanIdResponse

Field Name	Required	Type	Description	Format
changes		PutSelfLoansChanges		
clientId		Integer		int32
loanId		Integer		int32
officeId		Integer		int32
resourceId		Integer		int32

### *PutSelfUserChanges*

Field Name	Required	Type	Description	Format
passwordEncoded		String		

### *PutSelfUserRequest*

PutSelfUserRequest

Field Name	Required	Type	Description	Format
password		String		
repeatPassword		String		

### *PutSelfUserResponse*

PutSelfUserResponse

Field Name	Required	Type	Description	Format
changes		PutSelfUserChanges		
officeId		Integer		int32
resourceId		Integer		int32

### *PutStaffRequest*

PutStaffRequest

Field Name	Required	Type	Description	Format
externalId		String		
isLoanOfficer		Boolean		

### *PutStandingInstructionsStandingInstructionIdRequest*

PutStandingInstructionsStandingInstructionIdRequest

Field Name	Required	Type	Description	Format
recurrenceInterval		Integer		int32

### *PutStandingInstructionsStandingInstructionIdResponse*

PutStandingInstructionsStandingInstructionIdResponse

Field Name	Required	Type	Description	Format
changes		PutUpdateStandingInstructionChanges		
resourceId		Integer		int32

### *PutTaxesComponentsChanges*

Field Name	Required	Type	Description	Format
name		String		
percentage		Float		float

Field Name	Required	Type	Description	Format
startDate		date		date

### *PutTaxesComponentsTaxComponentIdRequest*

PutTaxesComponentsTaxComponentIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
name		String		
percentage		Float		float
startDate		String		

### *PutTaxesComponentsTaxComponentIdResponse*

PutTaxesComponentsTaxComponentIdResponse

Field Name	Required	Type	Description	Format
changes		PutTaxesComponentsChanges		
resourceId		Integer		int32

### *PutTaxesGroupChanges*

Field Name	Required	Type	Description	Format
addComponents		List of <a href="#">[integer]</a>		int32
modifiedComponents		Set of <a href="#">PutTaxesGroupModifiedComponents</a>		
name		String		

### *PutTaxesGroupModifiedComponents*

Field Name	Required	Type	Description	Format
endDate		String		
taxComponentId		Integer		int32

### *PutTaxesGroupTaxComponents*

Field Name	Required	Type	Description	Format
endDate		String		
id		Integer		int32
taxComponentId		Integer		int32

### *PutTaxesGroupTaxGroupIdRequest*

PutTaxesGroupTaxGroupIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
locale		String		
name		String		
taxComponents		Set of <a href="#"><i>PutTaxesGroupTaxComponents</i></a>		

### *PutTaxesGroupTaxGroupIdResponse*

PutTaxesGroupTaxGroupIdResponse

Field Name	Required	Type	Description	Format
changes		PutTaxesGroupChanges		
resourceId		Integer		int32

### *PutTellersRequest*

PutTellersRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
endDate		date		date
locale		String		
name		String		
officeId		Long		int64
startDate		date		date
status		String		Enum: INVALID, PENDING, ACTIVE, INACTIVE, CLOSED,

### *PutTellersResponse*

PutTellersResponse

Field Name	Required	Type	Description	Format
changes		PutTellersResponse Changes		
officeId		Long		int64
resourceId		Long		int64

### *PutTellersResponseChanges*

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
endDate		date		date
locale		String		
startDate		date		date

## *PutTellersTellerIdCashiersCashierIdRequest*

PutTellersTellerIdCashiersCashierIdRequest

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
endDate		date		date
isFullDay		Boolean		
locale		String		
staffId		Long		int64
startDate		date		date

## *PutTellersTellerIdCashiersCashierIdResponse*

PutTellersTellerIdCashiersCashierIdResponse

Field Name	Required	Type	Description	Format
changes		PutTellersTellerIdCashiersCashierIdResponseChanges		
resourceId		Long		int64
subResourceId		Long		int64

## *PutTellersTellerIdCashiersCashierIdResponseChanges*

Field Name	Required	Type	Description	Format
dateFormat		String		
description		String		
endDate		date		date
locale		String		

## *PutTemplatesTemplateIdRequest*

PutTemplatesTemplateIdRequest



Field Name	Required	Type	Description	Format
entity		Long		int64
id		Long		int64
mappers		List of <i>TemplateMapper</i>		
name		String		
text		String		
type		Long		int64

### *PutTemplatesTemplateIdResponse*

PutTemplatesTemplateIdResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *PutUpdateStandingInstructionChanges*

Field Name	Required	Type	Description	Format
recurrenceInterval		Integer		int32

### *PutUsersUserIdRequest*

PutUsersUserIdRequest

Field Name	Required	Type	Description	Format
firstname		String		
password		String		
repeatPassword		String		

### *PutUsersUserIdResponse*

PutUsersUserIdResponse

Field Name	Required	Type	Description	Format
changes		PutUsersUserIdResponseChanges		
officeId		Long		int64
resourceId		Long		int64

### *PutUsersUserIdResponseChanges*

Field Name	Required	Type	Description	Format
firstname		String		
passwordEncoded		String		

### *PutWorkingDaysRequest*

PutWorkingDaysRequest

Field Name	Required	Type	Description	Format
extendTermForDailyRepayments		Boolean		
locale		String		
recurrence		String		
repaymentRescheduleType		EnumOptionData		

### *PutWorkingDaysResponse*

PutWorkingDaysResponse

Field Name	Required	Type	Description	Format
resourceId		Long		int64

### *Question*

Field Name	Required	Type	Description	Format
componentKey		String		
description		String		
id		Long		int64
key		String		
new		Boolean		
responses		List of <a href="#">Response</a>		
sequenceNo		Integer		int32
survey		Survey		
text		String		

### *QuestionData*

Field Name	Required	Type	Description	Format
componentKey		String		
description		String		
id		Long		int64
key		String		
responseDatas		List of <a href="#">ResponseData</a>		
sequenceNo		Integer		int32
text		String		

### *Rate*

Field Name	Required	Type	Description	Format
active		Boolean		
approveUser		AppUser		
createdBy		AppUser		
createdDate		Date		date-time
id		Long		int64

Field Name	Required	Type	Description	Format
lastModifiedBy		AppUser		
lastModifiedDate		Date		date-time
name		String		
new		Boolean		
percentage		BigDecimal		
productApply		Integer		int32

### *ReportMailingJobRunHistoryData*

Field Name	Required	Type	Description	Format
endTime		Date		date-time
errorLog		String		
errorMessage		String		
id		Long		int64
reportMailingJobId		Long		int64
startTime		Date		date-time
status		String		

### *Response*

Field Name	Required	Type	Description	Format
id		Long		int64
new		Boolean		
question		Question		
sequenceNo		Integer		int32
text		String		
value		Integer		int32

## ResponseData

Field Name	Required	Type	Description	Format
id		Long		int64
sequenceNo		Integer		int32
text		String		
value		Integer		int32

## ResultSetColumnHeaderData

Field Name	Required	Type	Description	Format
booleanDisplayType		Boolean		
codeLookupDisplayType		Boolean		
codeValueDisplayType		Boolean		
columnCode		String		
columnDisplayType		String		
columnLength		Long		int64
columnName		String		
columnType		String		
dateDisplayType		Boolean		
dateTimeDisplayType		Boolean		
decimalDisplayType		Boolean		
integerDisplayType		Boolean		
isColumnNullable		Boolean		
isColumnPrimaryKey		Boolean		
mandatory		Boolean		
optional		Boolean		

Field Name	Required	Type	Description	Format
string		Boolean		

### *ResultSetRowData*

Field Name	Required	Type	Description	Format
row		List of <a href="#">[string]</a>		

### *RetrieveOneResponse*

#### GetStaffResponse

Field Name	Required	Type	Description	Format
displayName		String		
externalId		String		
firstname		String		
id		Long		int64
isActive		Boolean		
isLoanOfficer		Boolean		
joiningDate		date		date
lastname		String		
officeId		Long		int64
officeName		String		

### *Role*

Field Name	Required	Type	Description	Format
disabled		Boolean		
enabled		Boolean		
id		Long		int64
name		String		
new		Boolean		
permissions		List of <a href="#">Permission</a>		

## RoleData

Field Name	Required	Type	Description	Format
id		Long		int64
name		String		

## RunReportsResponse

Field Name	Required	Type	Description	Format
columnHeaders		List of <a href="#">ResultSetColumnHeaderData</a>		
data		List of <a href="#">ResultSetRowData</a>		

## SavingsProductData

Field Name	Required	Type	Description	Format
accrualBasedAccountingEnabled		Boolean		
allowOverdraft		Boolean		
cashBasedAccountingEnabled		Boolean		
currency		CurrencyData		
depositAccountType		String		
id		Long		int64
interestCalculationDaysInYearType		EnumOptionData		
interestCalculationType		EnumOptionData		
interestCompoundingPeriodType		EnumOptionData		
interestPostingPeriodType		EnumOptionData		

Field Name	Required	Type	Description	Format
lockinPeriodFrequency		Integer		int32
lockinPeriodFrequencyType		EnumOptionData		
maxAllowedLienLimit		BigDecimal		
minRequiredBalance		BigDecimal		
minRequiredOpeningBalance		BigDecimal		
name		String		
nominalAnnualInterestRate		BigDecimal		
overdraftLimit		BigDecimal		
periodicAccrualAccounting		Boolean		
upfrontAccrualAccounting		Boolean		
withdrawalFeeForTransfers		Boolean		

### Scorecard

Field Name	Required	Type	Description	Format
appUser		AppUser		
client		Client		
createdOn		Date		date-time
id		Long		int64
new		Boolean		
question		Question		
response		Response		
survey		Survey		



Field Name	Required	Type	Description	Format
value		Integer		int32

### *ScorecardData*

Field Name	Required	Type	Description	Format
clientId		Long		int64
id		Long		int64
scorecardValues		List of <a href="#">ScorecardValue</a>		
surveyId		Long		int64
surveyName		String		
userId		Long		int64
username		String		

### *ScorecardValue*

Field Name	Required	Type	Description	Format
createdOn		Date		date-time
questionId		Long		int64
responseId		Long		int64
value		Integer		int32

### *SingleDebitOrCreditEntryCommand*

Field Name	Required	Type	Description	Format
amount		BigDecimal		
comments		String		
commentsChanged		Boolean		
glAccountId		Long		int64
glAccountIdChanged		Boolean		

Field Name	Required	Type	Description	Format
glAmountChanged		Boolean		
parametersPassedInRequest		Set of [string]		

### *SmsCampaignData*

Field Name	Required	Type	Description	Format
campaignName		String		
campaignStatus		EnumOptionData		
campaignType		EnumOptionData		
id		Long		int64
lastTriggerDate		date		date
message		String		
nextTriggerDate		Date		date-time
notification		Boolean		
paramValue		String		
recurrence		String		
recurrenceStartDate		Date		date-time
reportName		String		
runReportId		Long		int64

### *Staff*

Field Name	Required	Type	Description	Format
active		Boolean		
id		Long		int64
image		Image		
loanOfficer		Boolean		
new		Boolean		

Field Name	Required	Type	Description	Format
notActive		Boolean		
notLoanOfficer		Boolean		

### *StaffData*

Field Name	Required	Type	Description	Format
displayName		String		
firstname		String		
id		Long		int64
joiningDate		date		date
lastname		String		
officeId		Long		int64
officeName		String		
rowIndex		Integer		int32

### *SubjectName*

Field Name	Required	Type	Description	Format
displayName		String		
firstName		String		
lastName		String		
middleName		String		

### *Survey*

Field Name	Required	Type	Description	Format
components		List of <a href="#">Component</a>		
countryCode		String		
description		String		
id		Long		int64
key		String		

Field Name	Required	Type	Description	Format
name		String		
new		Boolean		
questions		List of <i>Question</i>		
validFrom		Date		date-time
validTo		Date		date-time

### *SurveyData*

Field Name	Required	Type	Description	Format
componentDatas		List of <i>ComponentData</i>		
countryCode		String		
description		String		
id		Long		int64
key		String		
name		String		
questionDatas		List of <i>QuestionData</i>		
validFrom		Date		date-time
validTo		Date		date-time

### *TaxComponent*

Field Name	Required	Type	Description	Format
createdBy		AppUser		
createdDate		Date		date-time
creditAccountType		Integer		int32
creditAccount		GLAccount		

Field Name	Required	Type	Description	Format
debitAccountType		Integer		int32
debitAccount		GLAccount		
id		Long		int64
lastModifiedBy		AppUser		
lastModifiedDate		Date		date-time
new		Boolean		
percentage		BigDecimal		
taxComponentHistories		Set of <a href="#">TaxComponentHistory</a>		
taxGroupMappings		Set of <a href="#">TaxGroupMappings</a>		

### *TaxComponentHistory*

Field Name	Required	Type	Description	Format
createdBy		AppUser		
createdDate		Date		date-time
id		Long		int64
lastModifiedBy		AppUser		
lastModifiedDate		Date		date-time
new		Boolean		
percentage		BigDecimal		

### *TaxGroup*

Field Name	Required	Type	Description	Format
createdBy		AppUser		
createdDate		Date		date-time

Field Name	Required	Type	Description	Format
id		Long		int64
lastModifiedBy		AppUser		
lastModifiedDate		Date		date-time
name		String		
new		Boolean		
taxGroupMappings		Set of <i>TaxGroupMappings</i>		

### *TaxGroupMappings*

Field Name	Required	Type	Description	Format
createdBy		AppUser		
createdDate		Date		date-time
endDate		Date		date-time
id		Long		int64
lastModifiedBy		AppUser		
lastModifiedDate		Date		date-time
new		Boolean		
taxComponent		TaxComponent		
taxGroup		TaxGroup		

### *TemplateMapper*

Field Name	Required	Type	Description	Format
id		Long		int64
mapperkey		String		
mapperorder		Integer		int32
mappervalue		String		

Field Name	Required	Type	Description	Format
new		Boolean		

### *UpdateChangesResponse*

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amount		BigDecimal		
bankName		String		
date		date		date

### *UpdatePostDatedCheckRequest*

UpdatePostDatedCheckRequest

Field Name	Required	Type	Description	Format
accountNo		Long		int64
amount		BigDecimal		
date		date		date
dateFormat		String		
locale		String		
name		String		
repaymentDate		date		date

### *UpdatePostDatedCheckResponse*

UpdatePostDatedCheckResponse

Field Name	Required	Type	Description	Format
changes		UpdateChangesResponse		
resourceId		Integer		int32

## *UpdateStaffResponse*

### PutStaffResponse

Field Name	Required	Type	Description	Format
officeId		Long		int64
resourceId		Long		int64



# Frequently Asked Questions

TBD

# Glossary

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# Appendix A: Fineract Application Properties

TBD

## Tenant Database Properties

Table 718. Tenant Database Properties

Name	Env Variable	Default Value	Description
fineract.tenant.host	FINERACT_DEFAULT_TENANTDB_HOSTNAME	localhost	TBD
fineract.tenant.port	FINERACT_DEFAULT_TENANTDB_PORT	3306	TBD
fineract.tenant.username	FINERACT_DEFAULT_TENANTDB_UID	root	TBD
fineract.tenant.password	FINERACT_DEFAULT_TENANTDB_PWD	mysql	TBD
fineract.tenant.parameters	FINERACT_DEFAULT_TENANTDB_CONN_PARAMETERS		TBD
fineract.tenant.timezone	FINERACT_DEFAULT_TENANTDB_TIMEZONE	Asia/Kolkata	TBD
fineract.tenant.identifier	FINERACT_DEFAULT_TENANTDB_IDENTIFIER	default	TBD
fineract.tenant.name	FINERACT_DEFAULT_TENANTDB_NAME	fineract_default	TBD
fineract.tenant.description	FINERACT_DEFAULT_TENANTDB_DESCRIPTION	Default Demo Tenant	TBD

## Hikari Connection Pool Properties

Table 719. Hikari Connection Pool Properties

Name	Env Variable	Default Value	Description
spring.datasource.hikari.driverClassName	FINERACT_HIKARI_DRIVER_SOURCE_CLASS_NAME	org.mariadb.jdbc.Driver	TBD
spring.datasource.hikari.jdbcUrl	FINERACT_HIKARI_JDBC_URL	jdbc:mariadb://localhost:3306/fineract_tenants	TBD

Name	Env Variable	Default Value	Description
spring.datasource.hikari.username	FINERACT_HIKARI_USERNAME	root	TBD
spring.datasource.hikari.password	FINERACT_HIKARI_PASSWORD	mysql	TBD
spring.datasource.hikari.minimumIdle	FINERACT_HIKARI_MINIMUM_IDLE	3	TBD
spring.datasource.hikari.maximumPoolSize	FINERACT_HIKARI_MAXIMUM_POOL_SIZE	10	TBD
spring.datasource.hikari.idleTimeout	FINERACT_HIKARI_IDLE_TIMEOUT	60000	TBD
spring.datasource.hikari.connectionTimeout	FINERACT_HIKARI_CONNECTION_TIMEOUT	20000	TBD
spring.datasource.hikari.connectionTestquery	FINERACT_HIKARI_TEST_QUERY	SELECT 1	TBD
spring.datasource.hikari.autoCommit	FINERACT_HIKARI_AUTO_COMMIT	true	TBD
spring.datasource.hikari.dataSourceProperties['cachePrepStmts']	FINERACT_HIKARI_DS_PROPERTIES_CACHE_PREP_STMTS	true	TBD
spring.datasource.hikari.dataSourceProperties['prepStmtCacheSize']	FINERACT_HIKARI_DS_PROPERTIES_PREP_STMT_CACHE_SIZE	250	TBD
spring.datasource.hikari.dataSourceProperties['prepStmtCacheSqlLimit']	FINERACT_HIKARI_DS_PROPERTIES_PREP_STMT_CACHE_SQL_LIMIT	2048	TBD
spring.datasource.hikari.dataSourceProperties['useServerPrepStmts']	FINERACT_HIKARI_DS_PROPERTIES_USE_SERVER_PREP_STMTS	true	TBD
spring.datasource.hikari.dataSourceProperties['useLocalSessionState']	FINERACT_HIKARI_DS_PROPERTIES_USE_LOCAL_SESSION_STATE	true	TBD
spring.datasource.hikari.dataSourceProperties['rewriteBatchedStatements']	FINERACT_HIKARI_DS_PROPERTIES_REWRITE_BATCHED_STATEMENTS	true	TBD

Name	Env Variable	Default Value	Description
spring.datasource.hikari.dataSourceProperties['cacheResultSetMetadata']	FINERACT_HIKARI_DS_PROPERTIES_CACHE_RESULTSET_METADATA	true	TBD
spring.datasource.hikari.dataSourceProperties['cacheServerConfiguration']	FINERACT_HIKARI_DS_PROPERTIES_CACHE_SERVER_CONFIGURATION	true	TBD
spring.datasource.hikari.dataSourceProperties['elideSetAutoCommits']	FINERACT_HIKARI_DS_PROPERTIES_ELIDE_SET_AUTO_COMMITS	true	TBD
spring.datasource.hikari.dataSourceProperties['maintainTimeStats']	FINERACT_HIKARI_DS_PROPERTIES_MAINTAIN_TIME_STATS	false	TBD
spring.datasource.hikari.dataSourceProperties['logSlowQueries']	FINERACT_HIKARI_DS_PROPERTIES_LOG_SLOW_QUERIES	true	TBD
spring.datasource.hikari.dataSourceProperties['dumpQueriesOnException']	FINERACT_HIKARI_DS_PROPERTIES_DUMP_QUERIES_IN_EXCEPTION	true	TBD

## SSL Properties

Table 720. SSL Properties

Name	Env Variable	Default Value	Description
server.ssl.enabled	FINERACT_SERVER_SSL_ENABLED	true	TBD
server.ssl.protocol	FINERACT_SERVER_SSL_PROTOCOL	TLS	TBD
server.ssl.ciphers	FINERACT_SERVER_SSL_CIPHERS	TLS_RSA_WITH_AES_128_CBC_SHA256	TBD
server.ssl.enabled-protocols	FINERACT_SERVER_SSL_PROTOCOLS	TLSv1.2	TBD
server.ssl.key-store	FINERACT_SERVER_SSL_KEY_STORE	classpath:keystore.jks	TBD
server.ssl.key-store-password	FINERACT_SERVER_SSL_KEY_STORE_PASSWORD	openmf	TBD

# Authentication Properties

Table 721. Authentication Properties

Name	Env Variable	Default Value	Description
fineract.security.basicauth.enabled	FINERACT_SECURITY_BASICAUTH_ENABLED	true	TBD
fineract.security.oauth.enabled	FINERACT_SECURITY_OAUTH_ENABLED	false	TBD
fineract.security.2fa.enabled	FINERACT_SECURITY_2FA_ENABLED	false	TBD

# Tomcat Properties

Table 722. Tomcat Properties

Name	Env Variable	Default Value	Description
server.tomcat.accept-count	FINERACT_SERVER_TOMCAT_ACCEPT_COUNT	100	TBD
server.tomcat.accesslog.enabled	FINERACT_SERVER_TOMCAT_ACCESSLOG_ENABLED	false	TBD
server.tomcat.max-connections	FINERACT_SERVER_TOMCAT_MAX_CONNECTIONS	8192	TBD
server.tomcat.max-http-form-post-size	FINERACT_SERVER_TOMCAT_MAX_HTTP_FORM_POST_SIZE	2MB	TBD
server.tomcat.max-keep-alive-requests	FINERACT_SERVER_TOMCAT_MAX_KEEP_ALIVE_REQUESTS	100	TBD
server.tomcat.threads.max	FINERACT_SERVER_TOMCAT_THREADS_MAX	200	TBD
server.tomcat.threads.min-spare	FINERACT_SERVER_TOMCAT_THREADS_MIN_SPARE	10	TBD

# Appendix B: Third Party Software

TBD