

aCSTV — AntiX Community Simple Starter TV

Inkonzo:


Inkqubo isetyenziselwa ulwamkelo olulula lwamajelo kamabonakude akhoyo kummandla njengosasazo lwedatha nge-Intanethi. Ukukhethwa kwesitishi kunye nokwabiwa kweendawo zokubeka inkqubo kuqwalaselwe ngokukhululekileyo. Izikhululo ezifumaneka kumazwe ngamazwe nazo zingongezwa, ngaphandle kokuba khangela zithintelwe ngumniki-nkonzo nge- *GeoIP* yelizwe ekuthethwa ngalo.

Uqhagamshelo lwe-intanethi luyafuneka ukufumana amajelo.

- Qala ulwamkelo:
Ukuqalisa ulwamkelo lweTV, cofa elinye lamaqhosha esitishi (cofa iqhosha lemouse ekhohlo).
Qaphela: Kungathatha ukuya kwimizuzwana eyi-12 ukuba umfanekiso weTV uvele. Ngokuchaseneyo ne-analogue kamabonwakude, apho ukutshintshwa kwenkqubo enye ukuya kwenye kwenzeka ngaphakathi kwamaqhezu okwesibini, kunye neeseti zetyhubhu zembali, kunye nolwamkelo lwedijithali uqhagamshelo kumncedisi ochaphazelekayo womnikezeli wenkonzo yosasazo kufuneka kuqala kusekwe nge-Intanethi. Ukongeza, idatha engenayo kufuneka igcinwe imizuzwana embalwa ukuze ikwazi ukudlala okungenangxaki, nto leyo ebangela ukulibaziseka ekuqaleni komdlalo wokwenene . Ubude bexesha buxhomekeke kwizinto ezininzi, kubandakanywa ixesha lokuphendula lomncedisi womnikezeli wenkonzo yothumelo olufanelekileyo kunye nesantya sokuhamba kwePC .
- Tshintsha izitishi:
Ukutshintshela kwenye inkqubo, cofa elinye iqhosha lesitishi.
- ulwamkelo lweTV:
Ukucima isitishi sangoku, cofa iqhosha elithi "*Misa*" .
- kwinkqubo:
Ukuphuma kwi-aCSTV, cofa iqhosha elithi »*Phuma*« (okanye "b").
- wenkqubo: Umboniso
wangoku wenkqubo unokuboniswa kwibhrawuza nge "*Umboniso wenkqubo*« iqhosha . Umboneleli wenkonzo ofunwayo unokumiselwa ngokukhululekileyo kwisethingi.
- Ifoto yomboniso:
Iqhosha elithi "Ifoto yeSiceni« lenza ifoto yomfanekiso weTV yangoku. Ifoto igcinwe kwifolda egcinwe kwisethingi phantsi kwegama lefayile Umfanekiso wesithombe- <Umthumeli>-<Umhla>-<Ixesha>.png .
Umzekelo: *Umboniso wefoto-Arte-03.10.2021-17:14:22.png*
- Umsebenzi wokurekhoda:
Qala ukurekhoda inkqubo yangoku nge "*Ukurekhoda kwevidiyo*« iqhosha . Uphawu lolawulo lokurekhoda olubomvu luvela kwibha yesimo. Ukucofa i icon yokurekhoda ye-aCSTV ivula incoko yababini yolwazi. Ukuchaneka kolwazi kuyanda ngokuhamba kwexesha lokubaleka. Ushicilelo lugcinwa phantsi kwegama lefayile *yoRekhoda loSasazo*-<Umthumeli>-<Umhla>-<Ixesha>.ts kwisiquqathathini seefayili esichazwe phantsi koSeto.
Ifomati yefayile .ts inokudlalwa nge mpv , umzekelo :
Ukurekhoda usasazo-Phoenix-03.10.2021-16:02:31.ts
Qeda ukurekhoda nge "Yeka ukurekhoda« iqhosha. Oku kuphelisa ukurekhoda kwaye inkqubo yangoku iyaqhubeka ifunyanwa.

Ngenxa yezizathu zobugcisa, ukuboniswa kweprogram yangoku kwisikrini ngoku kuphazanyiswa imizuzwana embalwa xa *uqala* kwaye *umisa ukurekhoda*. Ukuguqulela kwezinye iifomati zefayile, bona "*Iintlobo ngeentlobo*".

- Ukutshintsha uluhlu

lwesitishi Ulwabiwo lweqhosha lamaqhosha esitishi kwibhokisi yencoko yababini engundoqo inokutshintshwa ngokusebenzisa i  iqhosha, ngokufunda kolunye uluhlu lwesitishi esilungisiweyo. Ulawulo olungagqibekanga loluhlu lwesitishi ngu `~/config/aCSTV`, kodwa ifayile inokufundwa kulo naluphi na uvimba weefayili oneemvume zokubhala. Ifayile zesampulu zamazwe amaninzi zinokufumaneka kulawulo/ `usr /local/lib/aCSTV/Stationlisten` kwaye zinokukotshwa ngesandla ukusuka apho ukuya kulawulo loqwalaselo lwe-aCSTV. Ezinye zezikhululo ezikolu luhlu zinokufunyanwa kwihiblabathi liphela, ezinye zivaliwe kwaye zinokufunyanwa kuphela kwilizwe elichaphazelekayo. Uluhlu lwesitishi olufundwayo ngoku lungahlaziywa ngokuzenzekelayo kwimenyu yoSeto.

- Iindlela ezimfutshane kunye nolawulo lwempuku:

Le misebenzi ilandelayo inikezelwe ngexesha lokudlala kusetyenziswa isitshixo seMPV nolawulo lwemouse:

Imiyalelo ngokubanzi

- Bonisa kwaye ufihle iphedi yamaqhosha -

- Tshintsha phakathi kwemo yesikrini esigcweleyo kunye nemo yefestile: cofa kabini

kumfanekiso wevidiyo osebenzayo. (kwakhona: f)

Ubungakanani besakhelo sevidiyo esichanekileyo (imida emnyama): Alt + Alt -

Lungisa ulungelelwaniso lweaudio/yevidiyo: Ctrl + Ctrl -

Lungisa umthamo womdlalo: 9 0

- Thulisa/ungathethi: m

Umfanekiso wevidiyo yokulungiswa kweGamma: 6 5

Umfanekiso wevidiyo oqaqambileyo: 4 3

Thelekisa umfanekiso wevidiyo: 2 1

Umfanekiso wevidiyo wokugcwalisa umbala: 8 7

- Misa kwaye uqalise ukudlala kwakhona: cofa ekunene

kumfanekiso wevidiyo. (kwakhona: p kunye nebar yendawo) (kuxhomekeke kwireyithi yedatha ukuya kwimizuzu engama-

30, kuxhomekeke ekubeni igcwele kangakanani isithinteli sendawo)

- Ukuya phambili ngokukhawuleza / umva (umzuzwana omnye): Shift ← Shift →

- Ukuya phambili ngokukhawuleza / umva (5 imizuzwana): ← →

Ukuya phambili ngokukhawuleza / umva (1 imiz): ↑ ↓

(Khawuleza phambili kwaye ubuye umva kunokwenzeka ngaphakathi kwesithinteli,

ngakumbi emva kokusebenzisa umsebenzi wokunqumamisa)

- Ifoto yomboniso: iqhosha kwiphaneli yolawulo ye-aCSTV okanye s

(Ifoto emileyo ibekwe kwisiququlatho seefayili esixelwe kwiisetingi ze-aCSTV

)

· Ukurekhodwa kwevidiyo yenkqubo yangoku: iqhosha kwiphaneli yolawulo ye-aCSTV

Ukukhawulezisa/hlehlisa ukudlala kwakhona (10%): []

(Isakhono esilinganiselweyo, esiluncedo ekulungiseni isantya esingalunganga, iimuvi ezifakwe ngekhawudi ezibangela ukuba i-cache iphele xa idlalwa ngokukhawuleza, okanye iisegmenti zazo eziphelelwa lixesha phambi kokuba ziphinde zithathwe xa zidlalwa ngokucothayo)

· Isantya sokudlala esiqhelekileyo: indawo yangasemva

· Seta kwaye urhoxise iluphu engapheliyo (AB): l

Tshintshela komnye umjelo wevidiyo (ukuba ukhona): Shift -

Tshintshela komnye umjelo womsindo (ukuba ukhona): #

Imisebenzi yolwazi:

· Umsinga kunye neenkcukacha zokudlala Shift i

· I-Buffer yokuzalisa inqanaba kunye nendawo yokudlala kwimemori ye-buffer: Shift okanye okufanayo

· Jonga i-URL ye-Streaming F8

· Bonisa ulwazi lomjelo womsindo, ividiyo kunye nemibhalo engezantsi F9

Iimpawu zombhalo ongezantsi (ukuba zikhona)

Vulela/khubaza imibhalo engezantsi: v

Tshintsha phakathi kwemibhalo engezantsi eyahlukeneyo: j J

Ngqamanisa izihlokwana kunye nomfanekiso wevidiyo: z Z

Iisetingi:

Zonke iisetingi ze-aCSTV zinokuhlengahlengiswa emva kokucofa iqhosha elithi »Useto«.

- **Umda wesantya sedatha yevidiyo:**

Ngokusetwa kowona mlinganiselo uphezulu wokudlala kwi-kbps, ujelo lwedatha olucelwe ngumncedisi lunokulungelelaniswa kwisakhono sokusetyenzwa kwekhompyuter esetyenziswayo kunye nomgca we-Intanethi.

1. Umda ngokokusebenza kwePC. Amava abonise ukuba i-single-core 32-bit Pentium-M ene-1.7 GHz inokuvelisa ubuninzi obujikeleze i-3000 kbps ngaphandle kokuphazamiseka. Ngoko ke kuyacetyiswa ukuba uyisete malunga neli xabiso kwiPC enjalo. I-aCSTV ikhetha olona luhlu lwedatha lufumanekayo kumnikezeli wenkonzo ongaphantsi kwexabiso eliphezulu elibekiweyo. Ixabiso eliphezulu lingangenwa kwiikhomputha ezinamandla ngakumbi, kunye nelona lisezantsi kwezo zibuthathaka.
2. Unyino ngokomthamo wothumelo okhoyo woqhagamshelo lwe-Intanethi. Kuxhomekeke kumgangatho woqhagamshelo lwe-Intanethi (okanye i-WLAN), kunokuba yimfuneko ukunciphisa amaxabiso angaphantsi kokusebenza kwePC, umz . ukuya kwi-1800 . Amaxabiso aphantsi akhokelela kwisisombululo somfanekiso ophantsi, ngelixa amaxabiso aphezulu ekhokelela ekulahlekeni rhoqo. Uninzi lwamajelo osasazo osasazo lukamabonakude lukawonke-wonke lwaseJamani lusasaza ngeereyithi ezingama-
325k , 581k, 635k, 969k, 1020k, 1130k, 1790k,

1807k, 2120k, 3256k, 3544k, 3990k
zonke zifumaneka zonke iitshaneli ezingama-290. Kuxhomekeka kumnikezeli wenkonzo, abanye abasasazi babucala bafumana ukuphazamiseka okuthe rhoqo ngamaxesha ogqithiso ngexesha lothumelo, nokuba ireyithi yedatha imiselwe ngokuchanekileyo. Ngamanye amaxesha emini, ukwamkelwa kwezi zikhululo kusebenza ngokugqibeleleyo kwakhona.

- Ukukhetha isikrini seTV Isikrini
semveliso yeTV sinokulungiswa kuseto. Ukuba, umzekelo, iseti yeTV iqhagamshelwe kwiPC njengescreen sesibini kwaye iqwalaselwe ngokufanelekileyo, umfanekiso weTV unokuboniswa kwiTV ngokuchaza inombolo yesikrini ehambelana nayo. Isilumkiso: Ubalo luqala ku-zero, okt »0« yisikrini sokuqala, »1« okwesibini njl njl. Ubuninzi bezikrini ze-32 zinokuqwalaselwa.
- Imo yesikrini esigcweleyo/imo yefestile
Le bhokisi yokukhangela ingasetyenziswa ukukhankanya ukuba umfanekiso weTV uqalwe njengesikrini esigcweleyo okanye njengefestile. Ungatshintsha emva naphambili phakathi kwesikrini esigcweleyo kunye nemodi yefestile nangaliphi na ixesha (*cofa kabini* kumfanekiso weTV wangoku okanye ucinezele iqhosha lika "F").
- Ukudlala ngaphambili
Ngale bhokisi yokukhangela unokumisela ukuba umfanekiso weTV kufuneka uhlale uboniswa ngaphambili okanye unokwaleka ngezinye iifestile. Umboniso ungatshintshwa nangaliphi na ixesha ngokusebenzisa imenyu yomxholo webar yomsebenzi → Umaleko , kunye nendibaniselwano engundoqo "*Shift T*" .
- Ifolda ekujoliswe kuyo yeefoto zomboniso kunye noshicilelo lwevidiyo
Faka ifolda apho ushicilelo kunye neefoto zesigcawu kufuneka zigcinwe kwiindawo ezifanelekileyo zokufaka. Ifolda ezisemgangathweni ezihambelanayo zenkqubo yokusebenza ye-antiX zicwangciswa kwangaphambili, zichazwe ngu-`$ XDG_PICTURES_DIR/` kunye ne-`$ XDG_VIDEOS_DIR/`. Umsebenzisi ongenileyo kufuneka abenofikelelo lokubhala kwiifolda ezikhankanyiweyo.
- Hlela uluhlu lwesitishi ngesandla
Uluhlu lwangoku lwesikhululo esithathwa kumazwe angaphandle lungahlelwa ngesandla. Amangeno amatsha angongezwa, iingeniso ezikhoyo zinokucinywa okanye zitshintshwe. Omabini amagama esitishi kunye needilesi zeseva ezinxulumene nazo zinokuhlelwa. Imigca eqala ngehashi (#) ivaliwe kwaye ayiveli kwiphedi yezitshixo.
- Ukuhlaziya uluhlu lwesitishi ngokuzenzekelayo
Uluhlu lwesitishi olufundwayo ngoku lunokuhlaziywa ngokuzenzekelayo ngeqhosha elithi "*Hlaziya*" . Uqhagamshelo lwe -intanethi olukhoyo luyafuneka kule nto. Izikhokelo zetshaneli ezijongene nelizwe ngalinye zihlaziywa ngokuqhubekayo ngamavolontiya avela kwiprojekthi ye-*IPTV.org* . Xa uhlaziya uluhlu lwesitishi ngokuzenzekelayo, ungasebenzisa isethingi "*Jonga uqhagamshelo kwisitishi*" ukukhuphela ngaphandle ezo zikhululo zingafunyanwayo kwindawo yakho. Le nkqubo inokuthatha ixesha elide


(ingakumbi kwimeko yoluhlu olukhulu lwamajelo), ekubeni impendulo evela kumncedisi kufuneka ilindelwe kwitshaneli nganye. Ukuba ilahlekile okanye iyimpazamo, endaweni yokuqulatha ukukhatywa okuchanekileyo, uqhagamshelwano kufuneka luvunyelwe ukuba luphele ngaphambi kokuba umthumeli owonayo alahlwe.

Iintlobo ngeentlobo:

Izinto eziluncedo socat

, *feh*, *buffer*, *mpv*, *yd-dlp*, *sed*, *xdotool*, *wmctrl* kufuneka zihlohlwe. Oku kuqinisekiswa ngokuzenzekelayo xa ufaka ngephakheji yokufakela i-Debian. Ukuba ezi zixhobo azikho, umz. ngexesha lofakelo lwezandla, i-aCSTV ayiyi kusebenza.

Umda woluhlu lwamajelo

Ngoluhlu lwetshaneli ezinkulu kakhulu ezinamatshaneli angaphezu kwama-40-50, ukusetyenzwa kwe-aCSTV kuya kusiba nzima. Ukusebenza ngokukhawuleza nokugcina izixhobo, kufuneka uqinisekise ukuba uluhlu lwesitishi lulinganiselwe kumangenelo afuneka ngokwenene, kwaye uyawavala (unike izimvo) okanye uwasuse onke amangeno angafanelekanga "*Hlela uludwe lwesitishi*" useto . Elona nani liphezulu lamaqhosha anokunikezelwa limalunga nama-264, kuxhomekeke kwinqanaba lamagama ngokungeniswa kwegama ngalinye. Kuyenzeka ukuba iphedi yezitshixo yalo bungakanani ayisakwazi ukuboniswa ngengqiqo kwiimonitha ezincinci. Onke amangeno asebenzayo oluhlu olubaxekileyo aluhoywa. Uluhlu olukhulu lwesitishi lunokwahlulwa lube ziifayile ezininzi ezahlukeneyo kusetyenziswa umhleli wokubhaliweyo njenge *Geany* okanye *Leafpad* , enokukhethwa kusetyenziswa iqhosha elithi "*Tshintsha uluhlu lwesitishi* " (umfanekiso ongumqondiso: ) kwiphedi yezitshixo.

Ifomathi yefayile noguqulo

Iifayile ezigciniweyo kwi *.ts* ifomathi zinokudlalwa ngqo emva ngeMPV kwi *-antiX* . Ukuba uyanqwena, ungasebenzisa *ffmpeg* ukuguqula ushicilelo lwenkqubo olugciniweyo ukusuka kwifomathi ye *.ts* ukuya kwenye ifomathi yefayile . Ukuguqulwa ngexesha lokurekhoda kunokwenzeka kuphela kwiisistim ezinamandla kakhulu kwaye ke ngoko akwenzelwanga i-aCSTV. Kuba kungenakwenzeka ukuqikelela ukuba yeyiphi ifomathi isikhululo esiya kuyihambisa, uvavanyo oluncinci luyafuneka xa uguqula emva koko. Ukuba ifomathi efunyenweyo ayihambelani nefomathi ekujoliswe kuyo, nokuba yividiyo okanye i-audio data stream equlethwe kuyo, okanye zombini, kufuneka ifakwe ikhowudi kwakhona, kungenjalo kwanele ukupakisha kwakhona ingatshintshanga kwifomathi ekujoliswe kuyo.

Imizekelo:

- ukuya ku*Matroska* , ngaphandle kokufaka ikhowudi kwakhona
ffmpeg -i './filename.ts' -map 0 -c ikopi './filename.mkv'
- ukuya ku *mp4* , ngaphandle kokufakwa kwekhowudi kwakhona
ffmpeg -i './filename.ts' -map 0 -c khuphela './filename.mp4'
- Ukuba ujelo lwedatha olugqithiswe ngumsasazi kwaye lugcinwe kwifayile ye-*.ts* ayihambelani nefomathi ekujoliswe kuyo ekhethiweyo (umzekelo. *mp4*), olu guqulelo aluyi kusebenza kwaye luvelisa umyalezo wemposiso kuphela. Kule meko ividiyo inokufakwa kwakhona ngekhawudi:
ffmpeg -i './filename.ts' -c:v libx264 -c:ikopi './filename.mp4'

- Okanye faka kwakhona ividiyo kunye nesandi:
`ffmpeg -i './filename.ts' -c:v libx264 -c:a aac './filename.mp4'`

Ngokuxhomekeke kumandla ekhompyuter ekhompyuter, ubungakanani befayile kunye nohlobo lokufakwa kwakhona kweekhowudi, ukusetyenzwa kungathatha ixesha.