

aCSTV - AntiX Community Simple TV Starter

Service:

Pulogalamuyi imagwiritsidwa ntchito polandila mawayilesi apawailesi yakanema omwe amapezeka m'chigawochi ngati njira yolumikizira deta kudzera pa intaneti. Kusankhidwa kwa masiteshoni ndi kagawidwe ka mipata yamapulogalamu kumasinthidwa mwaufulu. Masiteshoni olandirika padziko lonse lapansi atha kuwonjezedwa, bola ngati sanatsekedwe ndi wopereka chithandizo kudzera pa *GeoIP* kudziko lomwe likufunsidwa.

Kulumikizana kwa intaneti kumafunika kuti mulandire mayendedwe.

- Yambitsani kulandila:

Kuti muyambitse kulandila kwa TV, dinani batani limodzi la station (kumanzere batani la mbewa).

Dziwani izi: Zitha kutenga masekondi 12 kuti chithunzi cha TV chiwonekere. Mosiyana ndi analogi wailesi yakanema, kumene kusintha kuchokera pulogalamu imodzi kupita ku inzake kunachitika mkati tizigawo ting'onoting'ono wachiwiri, ngakhale ndi akanema chubu mbiri, ndi phwando digito kugwirizana kwa seva ya wopereka chithandizo kufala ayenera choyamba kukhazikitsidwa kudzera pa Intaneti. Kuphatikiza apo, zomwe zikubwera zimayenera kusungidwa kwa masekondi angapo kuti zitheke kusewera kopanda vuto, zomwe zimapangitsanso kuchedwetsa kuyambika kwa kujambula kwenikweni. Kutalika kwa nthawi kumatengera zinthu zambiri, kuphatikiza nthawi yoyankha ya seva ya omwe amapereka chithandizo chotumizira komanso kuthamanga kwa PC.

- Sinthani masiteshoni:

Kuti musinthe kupita ku pulogalamu ina, dinani batani lina la siteshoni.

- kulandila kwa TV:

Kuti muzimitsa tchanelo chomwe chilipo, dinani batani la "Imani" .

- pulogalamu:

Kuti mutuluke pa aCSTV, dinani batani la "Tulukani« (kapena "b").

- Chiwonetsero cha pulogalamu:

Chowonera cha pulogalamu yamakono chikhoza kuwonetsedwa mu msakatuli ndi batani la »*Pulogalamu yowonera*« . Wothandizira omwe akufuna akhoza kukhazikitsidwa mwaufulu muzokonda.

- Chithunzi cha zochitika:

Batani la "Chithunzi Chachiwonetsero« limapanga chithunzi cha chithunzi chapa TV. Chithunzicho chimasungidwa mufoda yosungidwa muzokonda pansi pa dzina la fayilo *Scene photo-<Sender>-<Date>-<Time>.png* . Chitsanzo: *Chithunzithunzi-Arte-03.10.2021-17:14:22.png*

- Ntchito yojambulira:

Yambani kujambula pulogalamu yamakono ndi batani la »*Video recording*« . Chizindikiro chofiyira chowongolera chojambulira chikuwoneka mu bar yamasitepe. Kudina chizindikiro chojambulira cha aCSTV kumatsegula zokambirana. Kulondola kwa chidziwitso kumawonjezeka ndi nthawi - yomwe yapita. Chojambuliracho chimasungidwa pansi pa dzina la fayilo *Broadcast Recording-<Sender>-<Date>-<Time>.ts* mufoda yotchulidwa pansi pa Zikhazikiko.


Mtundu wa fayilo .ts ukhoza kuseweredwa ndi *mpv* , *mwachitsanzo* .

Chitsanzo: *Broadcast recording-Phoenix-03.10.2021-16:02:31.ts* Malizitsani

kujambula ndi «Lekani kujambula» batani. Izi zimathetsa kujambula ndipo pulogalamu yamakono ikupitiriza kulandiridwa.

Pazifukwa zaukadaulo, mawonetsedwe a pulogalamu yamakono pazenera amasokonezedwa kwa masekondi angapo *poyambira* ndikuyimitsa *kujambula* . Kuti musinthe kukhala mafayilo ena, onani "*Zosiyanasiyana*".

- Kusinthia mndandanda

wamasiteshoni Mabatani a mabatani a station mubokosi lalikulu la zokambirana zitha kusinthidwa pogwiritsa ntchito batani , powerenga pamndandanda wina wamasiteshoni okonzedwa . Chikwatu chosasinthika pamindandanda yamasiteshoni ndi `~/config/aCSTV` , koma fayilo imatha kuwerengedwa kuchokera mgulu lililonse lomwe lili ndi zilolezo zolembera. Zitsanzo zama fayilo amayiko ambiri zitha kupezeka m'ndandanda / `usr / local/lib/aCSTV/Stationlisten` ndipo mutha kukoperanso pamanja kuchokera pamenepo kupita ku bukhu la kasinthidwe la aCSTV. Ena mwa masiteshoni omwe ali pamndandandawu atha kulandiridwa padziko lonse lapansi, ena ndi oletsedwa ndi geo ndipo atha kulandiridwa m'dziko lawo. Mndandanda wa tchanelo womwe ukuwerengedwa pano ukhoza kusinthidwa zokha pa menyu ya Zikhazikiko.

- Njira zazifupi ndi kuwongolera mbewa:

Ntchito zotsatirazi zimaperekedwa mukasewerera pogwiritsa ntchito makiyi a MPV ndi zowongolera mbewa:

Malamulo onse

- Onetsani ndi kubisa kiyibodi -

- Sinthani pakati pa mawonekedwe a zenera ndi zenera: dinani kawiri pa chithunzi cha kanema. (komanso: f)

Kukula koyenera kwa chimango cha kanema (malire akuda): Alt + Alt -

Kusinthia koyenera kwa audio/kanema: Ctrl + Ctrl -

Sinthani voliyumu yosewera: 90

- Tsegulani / tsegulani: m

Chithunzi cha kanema wokonzza Gamma: 6 5

Chithunzi chowala chavidiyo: 4 3

Fananizani chithunzi cha kanema: 2 1

Kanema wamachulukidwe amitundu: 8 7

- Imani kaye ndi kuyambiranso kusewera: dinani pomwepa pa chithunzi cha kanema. (komanso: p ndi space bar) (kutengera kuchuluka kwa data mpaka

mphindi 30, kutengera kuchuluka kwa buffer komweko)

- Kutsogolo mwachangu / bwererani (mphindi 1): Shift ← Shift →

- Kutsogolo mwachangu / bwererani (5 sec): ← →

Kutsogolo / kubwerera m'mbuyo (1 min): ↑ ↓

(Pitirizani kutsogolo ndi kubwerera m'mbuyo momwe mungathere mkati mwa buffer,

makamaka mutagwiritsa ntchito kuyimitsa)

- Chithunzi chojambula: batani mu gulu lowongolera la aCSTV kapena s (Chithunzi chotsalira chimayikidwa mufoda yomwe yatchulidwa muzokonda za aCSTV

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- Kujambulitsa kanema wa pulogalamu yamakono: batani mu gulu lowongolera la aCSTV
- Limbikitsani / chepetsani kusewera (10%): []
(kuthekera kochepa, kothandiza kukonza zolakwika -liwiro, makanema osungidwa molakwika omwe amapangitsa kuti posungira kutsekeke akaseweredwa mwachangu kwambiri, kapena omwe magawo ake amathera nthawi asanatulutsidwe akaseweredwa pang'onopang'ono)
- Kuthamanga liwiro lachilendo: `backspace`
- Khazikitsani ndikuletsa kuzungulira kosatha (AB): `l`
- Sinthani kumavidiyo ena (ngati alipo): `Shift -`
- Sinthani kumtundu wina wamawu (ngati ulipo): `#`

Ntchito zambiri:

- Tsitsani ndikusewera zambiri `Shift i`
- + Kudzaza kwa Buffer ndi malo osewerera mu kukumbukira kwa buffer: `Shift` kapena zofanana
- Onani Ulalo Wosewerera `F8`
- + Onetsani zambiri zamayendedwe amawu, makanema ndi mawu am'munsi `F9`

Mawonekedwe a subtitle (ngati alipo)

- Yambitsani/zimitsani mawu ang'onoang'ono: `v`
- Sinthani pakati pa mawu am'munsi osiyanasiyana: `j J`
- Gwirizanitsani mawu ang'onoang'ono ndi chithunzi cha kanema: `z Z`

Zokonda:

Zokonda zonse za aCSTV zitha kusinthidwa mutakanikiza batani la "Zikhazikiko".

- kuchuluka kwa data yamakanema:
Ndi kukhazikitsidwa kwa kuchuluka kwa kusewerera kwambiri mu kbps, mtsinje wa data womwe wafunsidwa ndi seva ukhoza kusinthidwa kuti ugwirizane ndi kuthekera kwa makompyuta omwe amagwiritsidwa ntchito komanso mzere wa intaneti.
- 1. Kuchepetsa molingana ndi magwiridwe antchito a PC. Zochitika zasonyeza kuti single-core 32-bit Pentium-M yokhala ndi 1.7 GHz imatha kupanganso kuchuluka kwa 3000 kbps popanda kusokonezedwa. Chifukwa chake ndikofunikira kuyiyika mozungulira mtengo uwu pa PC yotere. aCSTV imasankha njira yabwino kwambiri yopezera deta kuchokera kwa wothandizira omwe ali panso pa mtengo wokwanira wokhazikitsidwa. Mtengo wapamwamba ukhoza kulowetsedwa kwa makompyuta amphamvu kwambiri, ndi otsika kwa ofooka.
- 2. Kuchepetsa molingana ndi kuchuluka kwapaintaneti komwe kulipo. Kutengera mtundu wa intaneti (kapena WLAN), pangakhale kofunikira kuchepetsa zomwe zili panso pa magwiridwe antchito a PC, mwachitsanzo mpaka 1800 . Makhalidwe otsika amapangitsa kuti chithunzicho chikhale chochepa, pomwe mayendedwe apamwamba amabweretsa kusiya ntchito nthawi zonse. Mawayilesi ambiri owulutsa pawaillesi yakanema aku Germany akuwulutsa pamitengo ya 325k , 581k, 635k, 969k, 1020k, 1130k, 1790k,

1807k, 2120k, 3256k, 3544k, 3990k, 3990k onse,
koma palibe ma channel29. Kutengera wopereka chithandizo, owulutsa
ena achinsinsi amakumana ndi zosokoneza pafupipafupi
panthawi yopatsirana, ngakhale kuchuluka kwa data kwakhazikitsidwa
molondola. Nthawi zina masana, kulandira masiteshoniwa
kumagwiranso ntchito bwino.

- Kusankha chophimba cha TV Chophimba
cha chithunzi cha TV chikhoza kukhazikitsidwa muzokonda. Ngati,
mwachitsanzo, TV yolumikizidwa ndi PC ngati chophimba chachiwiri
ndikukonzedwa moyenera, chithunzi cha TV chikhoza kuwonetsedwa pa TV
pofotokoza nambala yofananira. Chenjezo: Kuwerengera kumayambira pa
ziro, mwachitsanzo, »0« ndi skrini yoyamba, »1« yachiwiri ndi zina zambiri.
Zowonera 32 zitha kuthetsedwa.
- Mawonekedwe azithunzi zonse / mawindo awindo
Bokosi loyang'anali lingagwiritsidwe ntchito kufotokoza ngati chithunzi cha
TV chikuyambika ngati zenere kapena zenere. Mutha kusinthana mmbuyo
ndi mtsogolo pakati pa sikirini yonse ndi zenere nthawi iliyonse (*dinani
kawiri* pa chithunzi chapa TV kapena dinani batani la "F").
- Sewerani kutsogolo
Ndi bokosi loyang'anali mutha kudziwa ngati chithunzi cha TV chiyenera
kuwonetsedwa kutsogolo kapena kuti chikhale chokutidwa ndi mazenera
ena. Chiwonetserocho chingasinthidwe nthawi iliyonse kudzera pa
mndandanda wazomwe zili muzitsulo → Layer , komanso ndi kuphatikiza
kwachinsinsi "*Shift T*" .
- Chikwatu chomwe mukufuna cha zithunzi ndi makanema
ojambulira Lowetsani zikwatu momwe zojambulira ndi zithunzi ziyenera
kusungidwa m'magawo oyenera. Mafoda ofananira nawo a antiX
opareting'i sisitimu amakonzedweratu, otchulidwa ndi
\$XDG_PICTURES_DIR/ ndi \$XDG_VIDEOS_DIR/.
Wogwiritsa ntchito yemwe walowa ayenera kukhala ndi mwayi wolemba
mafoda omwe atchulidwa.
- Sinthani mndandanda wamasiteshoni pamanja Mndandanda wamasiteshoni

omwe watumizidwa pano ukhoza kusinthidwa pamanja. Zolembe zatsopano
zitha kuwonjezedwa, zomwe zilipo zitha kuchotsedwa kapena
kusinthidwa. Mayina onse apasiteshoni ndi ma adilesi ogwirizana nawo a
sewa akhoza kusinthidwa. Mizere yoyambira ndi hashi (#) yazimitsidwa
ndipo siyimawonekera pamakiyi.

- Kusinthana mndandanda wamasiteshoniwokha
Mndandanda wamasiteshoni womwe ukuwerengedwa ukhoza kusinthidwa
zokha ndi batani la "*Sinthani*" . Kulumikizana kwa intaneti komwe kulipo
ndikofunikira pa izi. Maupangiri amtundu wadziko omwe amasinthidwa
mosalekeza ndi anthu odzipereka ochokera ku *IPTV.org* . Mukasintha
mndandanda wamasiteshoni, mutha kugwiritsa ntchito zochunira za
"Chongani kulumikizana ndi siteshoni" kuti muchotse masiteshoni omwe
sangalandire komwe muli. Izi zitha kukhala zowononga nthawi (makamaka
pamindandanda yayikulu yamakanema), popeza yankho lochokera ku seva
liyenera kuyembekezera panjira iliyonse. Ngati ikusowa kapena yolakwika,


m'malo mokhala ndi kukanidwa koyenera, kulumikizana kuyenera kuloledwa kutha nthawi isanathe wotumiza wolakwirayo.

Zosiyanasiyana:

Zothandizira

Zothandizira socat , *feh*, *buffer*, *mpv*, *yd-dlp*, *sed*, *xdotool*, *wmctrl* ziyenera kukhazikitsidwa. Izi zimatsimikiziridwa zokha mukayika kudzera pa phukusi la kukhazikitsa la Debian. Ngati zigawozi zikusowa, mwachitsanzo pa unsembe wamanja, aCSTV sizigwira ntchito.

Kuchuluka kwa mndandanda wamakanema

Ndi mindandanda yayikulu kwambiri yokhala ndi mayendedwe opitilira 40-50, kukonza ndi aCSTV kumakhala kwaulesi. Kuti mugwiritse ntchito mwachangu komanso populumutsa zinthu, muyenera kuwonetsetsa kuti mndandanda wa tchanelo uli ndi zomwe zikufunika, komanso kuti mwatseka (ndemanga) kapena kuchotsa zonse zochulukira muzokonda "*Sinthani matchanelo*". Kuchuluka kwa makiyi omwe angaperekedwe ndi pafupifupi 264, kutengera kuchuluka kwa zilembo pa dzina lililonse. Ndizotheka kuti kiyibodi ya kukula uku sikungathenso kuwonetsedwa mwanzero pa zowunikira zazing'ono. Zina zonse zolembedwa pamndandanda wochulukirachulukira zimanyalanyazidwa. Mndandanda waukulu wa tchanelo ukhoza kugawidwa m'mafayilo angapo pawokha pogwiritsa ntchito cholemba mawu monga *Geany* kapena *Leafpad* , *chomwe chingasankhidwe pogwiritsa ntchito batani la "Sinthani mndandanda wa tchanelo "* (chizindikiro: ) pamakina.

Mafayilo ndi masinthidwe

Mafayilo osungidwa mumtundu wa *.ts* amatha kuseweredwanso mwachindunji ndi *MPV mu antiX* . Ngati mungafune, mutha kugwiritsa ntchito *ffmpeg kuti musinthe* zojambulidwa zamapulogalamu osungidwa kuchokera ku mtundu wa *.ts* kupita ku mtundu wina wamafayilo . Kutembenuka panthawi yojambulira kumatheka pamakina amphamvu kwambiri motero sikunapangire aCSTV. Popeza sizothekanso kulosera mtundu wa sitheshoni yomwe idzafalitse, kuyesa pang'ono kumafunika mukasintha pambuyo pake. Ngati mtundu womwe walandilidwa sukugwirizana ndi mtundu womwe mukufuna, mavidiyo kapena zomvera zomwe zili mmenemo, kapena zonse ziwiri, ziyenera kusindikizidwanso, apo ayi ndizokwanira kuziyikanso mosasintha mumtundu womwe mukufuna.

Zitsanzo:

- kupita ku *Matroska* , popanda
kuyikanso *ffmpeg -i './filename.ts' -map 0 -c kukopera './filename.mkv'*
- ku *mp4* , popanda
kuyikanso *ffmpeg -i './filename.ts' -map 0 -c kukopera './filename.mp4'*
- Ngati mtsinje wa data womwe umafalitsidwa ndi wowulutsa ndikusungidwa mu fayilo ya *.ts* sikugwirizana ndi mtundu womwe wasankhidwa (monga *mp4*), kutembenuka kumeneku sikungagwire ntchito ndikungopanga uthenga wolakwika. Pamenepa kanema akhoza kulembedwanso:
ffmpeg -i './filename.ts' -c:v libx264 -c:kopi './filename.mp4'
- Kapena sunganinso kanema ndi mawu:
ffmpeg -i './filename.ts' -c:v libx264 -c:a aac './filename.mp4'

Kutengera mphamvu ya kompyuta ya PC, kukula kwa fayilo ndi mtundu wa kabisidwenso, kukonza kumatha kutenga nthawi.