Saving Audio/Video/Photo Streams

streamrip

https://pypi.org/project/streamrip/ https://github.com/nathom/streamrip


```
pip3 install streamrip --upgrade
```

on Mint22 with pipx:

```
pipx install streamrip
# or
pipx upgrade streamrip
# or for development version
pipx install git+https://github.com/nathom/streamrip.git@dev
```

config in folder ~/.config/streamrip will not be removed when uninstalling through pipx

deemix

CLI https://pypi.org/project/deemix/

https://www.reddit.com/r/deemix/

Python server with web interface: https://gitlab.com/RemixDev/deemix-webui
https://gitlab.com/RemixDev/deemix-gui/-/tree/main

Standalone GUI, Server or one-file Server for Linux/Win/Mac x86: https://download.deemix.app/0:/

Note: all of the above require an arl = arl cookie after logging into (free) deezer account. i.e. F12 in
Firefox, storage, cookies, arl, then copy the content. The cookie is valid for 3 months. Entering the arl
cookie in the web interface stores it per client. Storing it in ~/.config/deemix/.arl and using
–serverwide-arl flag can use the same for all clients.

Linux install/update of server with static libraries:

update-deemix.sh

```
#!/bin/bash
echo "Downloading latest version..."
wget https://download.deemix.app/server/linux-x64-latest
if [ -f "linux-x64-latest" ];
then
    echo "Backing up old version..."
    sudo rm -rf /opt/deemix-server-old
    sudo mv /opt/deemix-server /opt/deemix-server-old
    sudo mkdir /opt/deemix-server
    sudo mv linux-x64-latest /opt/deemix-server/deemix-server
    sudo chmod 755 /opt/deemix-server/deemix-server
    echo "Restarting deemix server..."
    systemctl --user restart deemix
    echo "Done!"
else
    echo "Download failed, not updating!"
fi
```

Linux user systemd service for server if extracted to /opt/deemix-server/:

```
mkdir -p .config/systemd/user/
vi .config/systemd/user/deemix.service
```

```
[Unit]
Description=Deemix Server

[Service]
ExecStart=/opt/deemix-server/deemix-server --host 0.0.0.0 --serverwide-arl
Restart=always
RestartSec=10

[Install]
WantedBy=default.target
```

```
systemctl --user enable deemix
```

d-fi

Console application Linux/Mac/Windows: https://notabug.org/sayem314/d-fi
https://github.com/d-fi/releases/releases

Dependency may be required:

```
apt-get install lib64stdc++6
```

Download/update bash script:

dfiupdate.sh

```bash
#!/bin/bash

get_latest_release() {
  curl --silent "https://api.github.com/repos/$1/releases/latest" |
grep '"tag_name":' | sed -E 's/.*"([^"]+)".*/\1/'
}
ver=$(get_latest_release "d-fi/releases")

cd /tmp
wget https://github.com/d-fi/releases/releases/download/$ver/d-fi-
linux.zip
unzip d-fi-linux.zip
rm d-fi-linux.zip
mv d-fi ~/Downloads
```

Works with Deezer Album,Songs and Artists, not Podcasts.

deemon

Automatically monitor and/or download new releases of artists.

https://github.com/digitalec/deemon

yt-dl / youtube-dl

Youtube Download (lots of supported sites: https://yt-dl.org/supportedsites.html) https://yt-dl.org/
https://github.com/ytdl-org/youtube-dl

Works with youtube, soundcloud and many more

Install/upgrade not via apt or wget/curl but using:

```
sudo -H pip install --upgrade youtube-dl
```

Fixes to individual extractors not in official release yet can be applied as in the following example:

```
wget
https://raw.githubusercontent.com/ytdl-org/youtube-dl/d42b7b6c5e927a8e4e82be
96a551b5054e445974/youtube_dl/extractor/redtube.py
sudo mv /usr/local/lib/python3.8/dist-
packages/youtube_dl/extractor/redtube.py /usr/local/lib/python3.8/dist-
packages/youtube_dl/extractor/redtube.py_backup
sudo mv redtube.py /usr/local/lib/python3.8/dist-
packages/youtube_dl/extractor/redtube.py
```

Workaround/Tip: per-site configuration files https://github.com/ytdl-org/youtube-dl/issues/29523

Version 2021.12.17 requires the following youtube patch as of February 2023:
https://github.com/ytdl-org/youtube-dl/issues/31530#issuecomment-1433470254 Change youtube.py
(Debian package /usr/lib/python3/dist-packages/youtube_dl/extractor/youtube.py) (PIP install
/usr/local/lib/python3.8/dist-packages/youtube_dl/extractor/youtube.py) change:

```
'uploader_id': self._search_regex(r'/(?:channel|user)/([^/?&#]+)',
owner_profile_url, 'uploader id') if owner_profile_url else None,
```
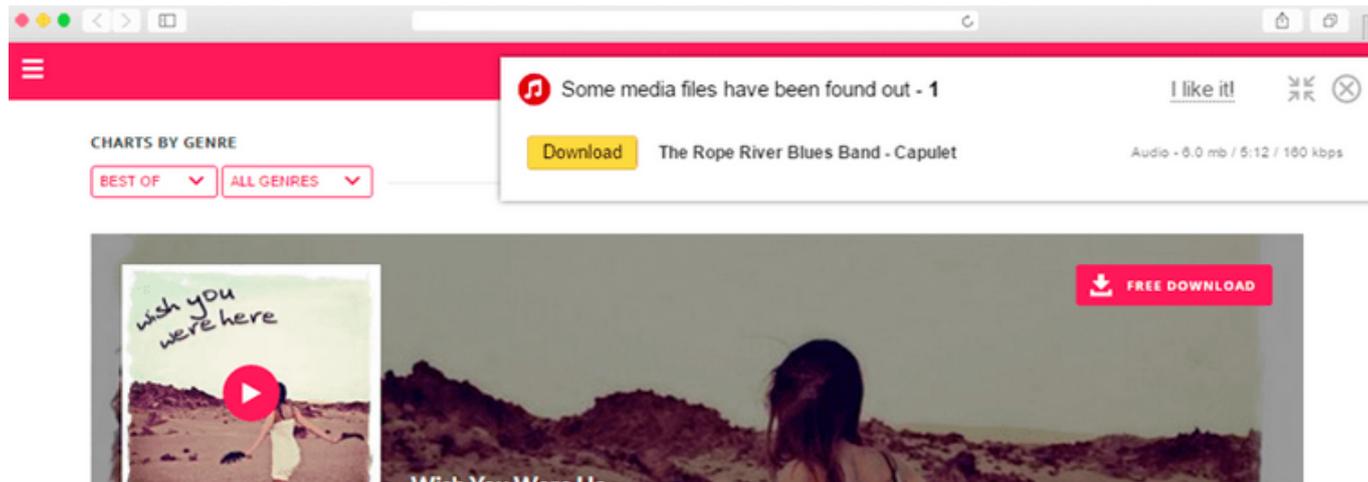
to:

```
'uploader_id': self._search_regex(r'/(?:channel/|user/|@)([^/?&#]+)',
owner_profile_url, 'uploader id', default=None),
```

mediasave Chrome

Mediasave Browser addon (Chrome) https://mediasave.ru/en/

https://chrome.google.com/webstore/detail/mediasave-download-music/hfgbpkkdodfihabamnkhoaea mkdhnoec

Works with unprotected media

Media Download Helper Firefox

Media Download Helper (Firefox)
https://addons.mozilla.org/en-US/firefox/addon/media-download-helper/
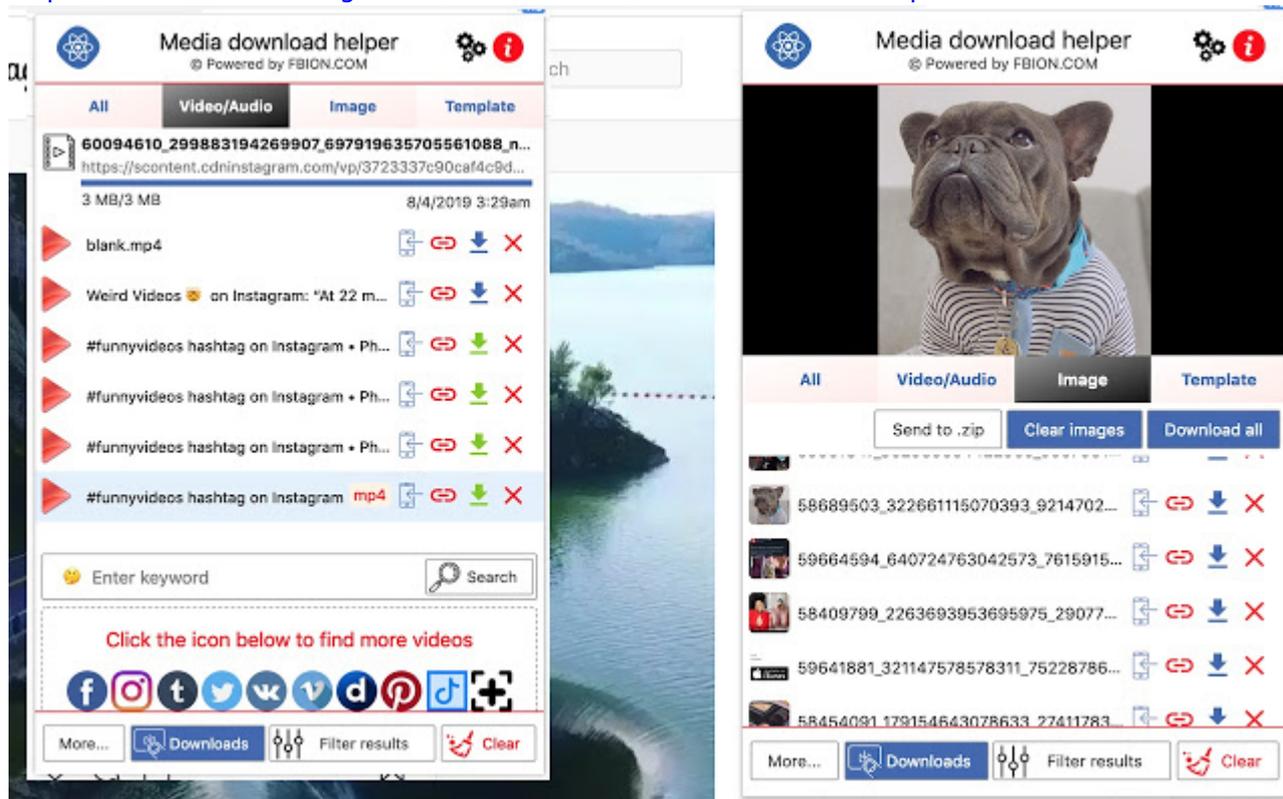
Uses external service to record the stream. No Filenames/ID3tags preserved!

Instagram downloader

https://github.com/instaloader/instaloader

JDownloader

https://jdownloader.org/download/index

Screen Recording

SimpleScreenRecorder

```
sudo apt-get install simplescreenrecorder
```

Video Editing

OpenShot

Stable PPA (Contains only official releases)

```
sudo add-apt-repository ppa:openshot.developers/ppa
sudo apt update
sudo apt install openshot-qt python3-openshot
```

```
sudo apt-get install openshot
```

LosslessCut

https://github.com/mifi/lossless-cut

losslesscut.sh

```bash
#!/bin/bash
if [ "$LOGNAME" != "root" ]
then
    echo "LosslessCut updater needs to be run as root!"
    exit
fi

#get latest LosslessCut version number
latest_web=$(curl https://api.github.com/repos/mifi/lossless-cut/releases/latest -s|sed -n 's/"tag_name":
"v\([0-9]\.[0-9]*\.[0-9]*\)",/\1/p'| sed -e 's/^[[:space:]]*//')
#convert version numbers to integers for comparison
```

```bash
web=$(echo "$latest_web"  | sed 's/\.//g')

if [ -f /opt/losslesscut/version.txt ];
then
    current_ver=$(cat /opt/losslesscut/version.txt)
    #convert version numbers to integers for comparison
    cur=$(echo "$current_ver" | sed 's/\.//g')
fi

if [[ "$cur" == "" ]];
then
    cur=0
fi

#download and install only if web version greater than current version
#if main web version doesn't exist, then install new main version
if [[ ${web:0:8} -gt ${cur:0:8} ]];
then
    echo "Current LosslessCut version $current_ver, upgrading to
version $latest_web"
    if [ ! -d /opt/losslesscut ];
    then
        mkdir /opt/losslesscut
    fi
    cd /opt/losslesscut
    if [ -f LosslessCut-linux-x86_64.AppImage ];
    then
        mv LosslessCut-linux-x86_64.AppImage LosslessCut-linux-
x86_64.AppImage.old
    fi
    wget "https://github.com/mifi/lossless-
cut/releases/download/v$latest_web/LosslessCut-linux-x86_64.AppImage"
    chmod 755 /opt/losslesscut/LosslessCut-linux-x86_64.AppImage
    echo "$latest_web" > /opt/losslesscut/version.txt

    if [ ! -f /usr/share/applications/losslesscut.desktop ];
    then
        wget https://github.com/mifi/lossless-
cut/raw/master/src/icon.svg
        cat >> /usr/share/applications/losslesscut.desktop <<EOD
[Desktop Entry]
Name=LossLessCut
Exec=/opt/losslesscut/LosslessCut-linux-x86_64.AppImage
Comment= The swiss army knife of lossless video/audio editing
Terminal=false
Icon=/opt/losslesscut/icon.svg
Type=Application
Categories=Graphics;
Hidden=false
NoDisplay=false
EOD
```

```
        update-desktop-database
        xdg-desktop-menu forceupdate
        xdg-desktop-menu install --novendor
/usr/share/applications/losslesscut.desktop

else
    echo "Current Version $current_ver, available version $latest_web"
    echo "No upgrade necessary"
fi
```