
Cohen

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Cohen is a DLNA/UPnP Media Server written in Python, providing several UPnP MediaServers and MediaRenderers to make simple publishing and streaming different types of media content to your network.

Cohen is actually a highly simplified and refreshed version of [Coherence Framework](#) project by [Frank Scholz](#) which looks like no longer supported.

- Latest release: 0.7.3 ([changelog](#))
- GitHub: <https://github.com/unintended/Cohen>
- Issue tracker: <https://github.com/unintended/Cohen/issues>
- PyPI: <https://pypi.python.org/pypi/cohen>
- Free software: MIT licence

CHAPTER 1

Features

Cohen is known to work with various clients

- Sony Playstation 3/4
- XBox360/One
- Denon AV Receivers
- WD HD Live MediaPlayers
- Samsung TVs
- Sony Bravia TVs

And provides a lot of backends to fulfil your media streaming needs

- Local file storage
- YouTube
- Twitch.tv
- and much more...

CHAPTER 2

Quickstart

To just export some files on your hard-disk fire up Cohen with an UPnP MediaServer with a file-system backend enabled:

```
$ cohen --plugin=backend:FSStore,content:/path/to/your/media/files
```

You can also configure cohen via a config file. Feel free to check our example `misc/cohen.conf.example`. The config file can be placed anywhere, cohen looks by default for `$HOME/.cohen`, but you can pass the path via the commandline option `-c` to it too:

```
$ cohen -c /path/to/config/file
```


Installation

Source code

If a package is not available for your platform (or it's out of date) you can install Livestreamer via source.

There are a few different methods to do this, [pip](#) the Python package manager, **easy_install** the older package manager included with **'python-setuptools'** or by checking out the latest code with [Git](#).

Dependencies

Starting as Service

Command-Line Interface

SYNOPSIS

```
cohen <options> [-plugin=<BACKEND> [ , <PARAM_NAME> : <PARAM_VALUE> ] ...]
```

DESCRIPTION

Cohen is a Python DLNA/UPnP Media Server made to broadcast digital media content over your network.

The core of Cohen provides a (hopefully complete) implementation of:

- a SSDP server,
- a MSEARCH client,
- server and client for HTTP/SOAP requests, and

- server and client for Event Subscription and Notification (GENA).

OPTIONS

-v, --version	Show program's version number and exit
--help	Show help message and exit
-d, --daemon	Daemonize
-c, --configfile=PATH	Path to config file
--noconfig	ignore any config file found
-o, --option=OPTION	activate option
-l, --logfile=PATH	Path to log file.

EXAMPLES

cohen --plugin=backend:FSSStore,name:MyCoherence Start cohen activating the *FSSStore* backend.

cohen --plugin=backend:MediaStore,medialocation:\$HOME/Music/,mediadb:/tmp/media.db Start cohen activating the *MediaStore* backend with media located in *\$HOME/Music* and the media metadata store in */tmp/media.db*.

AVAILABLE STORES

BetterLight, AmpacheStore, FlickrStore, MiroStore, ElisaPlayer, ElisaMediaStore, Gallery2Store, DVBDStore, FSStore, BuzztardPlayer, BuzztardStore, GStreamerPlayer, SimpleLight, ITVStore, SWR3Store, TrackerStore, LolcatsStore, BBCStore, MediaStore, AppleTrailerStore, LastFMStore, AxisCamStore, YouTubeStore, TEDStore, IRadioStore, TwitchStore

FILES

\$HOME/.cohen default config file

ENVIRONMENT VARIABLES

COHEN_DEBUG=<STORE> Supplies debug information pertaining to the named store.

SEE ALSO

Project Homepage <https://github.com/unintended/Cohen>

Backends (Plugins)

Twitch Store Backend