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# **Cohen**

***Release 0.7.2***

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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: 0.7.2 ([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



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# Features

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### **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...





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### Quickstart

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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
```



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## Table of Contents

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### 3.1 Installation

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If a package is not available for your platform (or it's out of date) you can install Livestreamer via source.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

#### 3.1.2 Dependencies

#### 3.1.3 Starting as Service

### 3.2 Command-Line Interface

#### 3.2.1 SYNOPSIS

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

#### 3.2.2 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).

#### 3.2.3 OPTIONS

- |                      |  |
|----------------------|--|
| <b>-v, --version</b> | Show program's version number and exit |
| <b>--help</b>        | 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.

### 3.2.4 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*.

### 3.2.5 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

### 3.2.6 FILES

**\$HOME/.cohen** default config file

### 3.2.7 ENVIRONMENT VARIABLES

**COHEN\_DEBUG=<STORE>** Supplies debug information pertaining to the named store.

### 3.2.8 SEE ALSO

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

## 3.3 Backends (Plugins)

## 3.4 Twitch Store Backend