
MHub Documentation

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CHAPTER 1

Getting Started

Download

Clone (or fork) the [MHub repository](#) over at [GitHub](#):

```
$ git clone git://github.com/jingleman/MHub.git
```

Developers

For development, it is advisable to install MHub within a [virtualenv](#). Also, [virtualenvwrapper](#) is recommended for managing Python virtual environments.

Once installed, create a Python (2.x) virtual environment:

```
$ mkvirtualenv --no-site-packages mhub
$ workon mhub
```

Navigate to your project checkout destination:

```
$ cd MHub
```

Now, install the requirements. If you intend to try out all the included plugins, we recommend using the full requirements file.

Install core dependencies only:

```
$ pip install -r requirements.txt
```

Install all dependencies (for plugin support):

```
$ pip install -r requirements-full.txt
```

Testing The Installation

Launch MHub using the `twistd` daemon command:

```
$ cd mhub
$ twistd -y run.py -n
```

You should see output similar to:

```
$ twistd -n -y run.py
2011-11-07 22:28:41,616 INFO [app.app] Registering plugins
2011-11-07 22:28:41+0000 [-] Log opened.
2011-11-07 22:28:41+0000 [-] twistd 11.0.0 (/home/louis/.virtualenvs/mhub/bin/
↳python2.7 2.7.2) starting up.
2011-11-07 22:28:41+0000 [-] reactor class: twisted.internet.selectreactor.
↳SelectReactor.
```

To exit, simply press CTRL + C to end the process.

Configuration

On first startup, MHub creates default configuration files in the standard XDG home locations. This will be `~/ .config/mhub` on Linux. There are two main configuration files, one for general settings (`app.yml`) and one for enabling/configuring the available plugins (`plugins.yml`).

CHAPTER 2

API

Applications

Services

Plugins

MHub Plugin Base Class

AMQP Messaging Bridge

ByeByeStandby

Simple Message Echo

Music Playing Daemon (MPD) Client

Pubnub Cloud Publish/Subscribe

Time Based Scheduling

High Level JavaScript Control

Telnet TCP Socket

Twitter

XMPP/Jabber (Google Talk)

Utilities

MHub Utilities Module

`mhub.utils.generate_default (config_dir, cache_dir)`

Generate default configuration

Parameters

- **config_dir** (*str.*) – Configuration directory path
- **cache_dir** (*str.*) – Cache directory path

Returns Default configuration dictionary

`mhub.utils.get_configuration ()`

Read (or create) configuration files and directories.

Returns Application configuration dictionary

CHAPTER 3

Indices and tables

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