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# **deluge-webapi Documentation**

*Release 0.3.1*

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<https://github.com/idlesign/deluge-webapi>



# CHAPTER 1

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## Description

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*Plugin for Deluge WebUI providing sane JSON API.*

Exposes some sane JSON API through Deluge WebUI (missing out of the box or restyled) so that you can manipulate Deluge from your programs using HTTP requests.





## CHAPTER 2

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### Requirements

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1. Python 2.7+
2. Deluge 1.3.15+



## CHAPTER 3

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### Installation

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- Get plugin egg file, from `dist/` (<https://github.com/idlesign/deluge-webapi/tree/master/dist>) directory.
- Open Deluge Web UI, go to “Preferences -> Plugins -> Install plugin” and choose egg file.

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**Note:** To build .egg file from source code yourself use `python setup.py bdist_egg` command in source code directory.

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- Activate *WebAPI* plugin.
- You're ready.



### 4.1 Quick Reference

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**Note:** First make sure you're using WebUI and WebAPI plugin is active under "Preferences -> Plugins".

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#### 4.1.1 Hints

1. WebAPI exists alongside with Deluge built-in JSON API, so all HTTP requests should proceed to `http://localhost:8112/json` (or what ever you've got instead of localhost)
2. Use POST method for HTTP requests.
3. Make requests with valid JSON (including `Accept: application/json` and `Content-Type: application/json` HTTP headers).
4. JSON must include the following fields:
  - `id` - message number for identity (could be any, increment it freely)
  - `method` - API method name. E.g.: `auth.login`, `webapi.get_torrents`
  - `params` - API method parameters (depend on method)
5. Login beforehand.
  - Send 

```
{"id": 1, "method": "auth.login", "params": ["your_password_here"]}
```

 and receive cookies with auth information.
  - Use those cookies for every request.
6. API answers with an error with the following JSON:

```
{"error": {"message": "Some error description."}, "id": 1, "result": False}
```

Check responses for `error` field.

7. Make sure Deluge WebUI is connected to Deluge daemon that makes actual torrent processing.
  - Send `{"id": 1, "method": "auth.check_session", "params": []}` and verify no error.
8. WebAPI method names start with `webapi..` (E.g.: `webapi.add_torrent` to call `add_torrent` function).
9. See <https://github.com/idlesign/deluge-webapi/blob/master/webapi/test.py> for code sample. Run it for basic debug.

### 4.1.2 Debug

If you have problems with plugin activation, you can get log with useful information (look for string containing `webapi`).

For `deluged`:

```
$ deluged -d -L info
```

For `deluged-web`:

```
$ deluge-web -L info
```

You can run <https://github.com/idlesign/deluge-webapi/blob/master/webapi/test.py> for basic test.

### 4.1.3 API Methods

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**Note:** WebAPI uses torrent hashes to identify torrents, so torrent ID is the same as hash.

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#### Get torrents info

```
get_torrents(ids=None, params=None)
```

Returns information about all or a definite torrent. Returned information can be filtered by supplying wanted parameter names.

#### Add torrent

```
add_torrent(metainfo, options=None)
```

Adds a torrent with the given options. *metainfo* could either be base64 torrent data or a magnet link.

#### Remove torrent

```
remove_torrent(torrent_id, remove_data=False)
```

Removes a given torrent. Optionally can remove data.

### Get API version

```
get_api_version()
```

Returns WebAPI plugin version.





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### Get involved into deluge-webapi

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**Submit issues.** If you spotted something weird in application behavior or want to propose a feature you can do that at <https://github.com/idlesign/deluge-webapi/issues>

**Write code.** If you are eager to participate in application development, fork it at <https://github.com/idlesign/deluge-webapi>, write your code, whether it should be a bugfix or a feature implementation, and make a pull request right from the forked project page.

**Spread the word.** If you have some tips and tricks or any other words in mind that you think might be of interest for the others — publish it.



## CHAPTER 6

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### More things

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- You might be interested in considering other Deluge plugins at <http://dev.deluge-torrent.org/wiki/Plugins/>
- Or you might be interested in a PHP Deluge API wrapper: <https://github.com/kaysond/deluge-php>