
deluge-webapi Documentation

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Igor 'idle sign' Starikov

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

Description

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.

Requirements

1. Python 2.7+
2. Deluge 1.3.3+

Installation

- Get plugin egg file, e.g. *deluge_webapi-0.1.0-py2.7.egg*.
- **IMPORTANT:** rename it - strip *deluge_* from its name, e.g. *webapi-0.1.0-py2.7.egg*.
- Open Deluge Web UI, go to “Preferences -> Plugins -> Install plugin” and choose *webapi-0.1.0-py2.7.egg* file.

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

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

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4.1 Quick Reference

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

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)
 - 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": "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": "web.connected", "params": []} and verify no error.
8. WebAPI method names start with *webapi.*. (E.g.: *webapi.add_torrent* to call *add_torrent* function).

4.1.2 API Methods

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

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.

```
{“id”: 1, “method”: “webapi.get_torrents”, “params”: [“torrent_hash1”, “torrent_hash2”], [“name”, “comment”]}
```

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.

```
{“id”: 1, “method”: “webapi.add_torrent”, “params”: [“base64_encoded_torrent_file_contents”, {“download_location”: “/home/idle/downloads/”}]}
```

Remove torrent

remove_torrent(torrent_id, remove_data=False)

Removes a given torrent. Optionally can remove data.

```
{“id”: 1, “method”: “webapi.remove_torrent”, “params”: [“torrent_hash3”, True]}
```

Get API version

get_api_version()

Returns WebAPI plugin version.

```
{“id”: 1, “method”: “webapi.get_api_version”, “params”: []}
```

Get involved into deluge-webapi

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.

The tip

You might be interested in considering other Deluge plugins at <http://dev.deluge-torrent.org/wiki/Plugins/>