
python-aternos Documentation

Release latest

Jul 27, 2023

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    Python Aternos <div>
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```

An unofficial Aternos API written in Python. It uses [aternos](https://aternos.org/)' private API and html parsing.

Python Aternos supports:

- Logging in to account with password (plain or hashed) or `ATERNOS_SESSION` cookie value.
- Saving session to the file and restoring.
- Changing username, email and password.
- Parsing Minecraft servers list.
- Parsing server info by its ID.
- Starting/stopping server, restarting, confirming/cancelling launch.
- Updating server info in real-time (view WebSocket API).
- Changing server subdomain and MOTD (message-of-the-day).
- Managing files, settings, players (whitelist, operators, etc.)

> **Warning** > According to the Aternos' [Terms of Service §5.2e](https://aternos.gmbh/en/aternos/terms#:~:text=Automatically%20accessing%20our%20website%20or%20automating%20actions%20on%20our%20website.), > you must not use any software or APIs for automated access, > because they don't receive money from advertising in this case. > I always try to hide automated python-aternos requests > using browser-specific headers/cookies, > but you should make backups to restore your world > if Aternos detects violation of ToS and bans your account > (view issues [#16](https://github.com/DarkCat09/python-aternos/issues/16) > and [#46](https://github.com/DarkCat09/python-aternos/issues/46)).

Install

Common `bash` \$ `pip install python-aternos` > **Note** for Windows users > Install `lxml` package from [here](https://www.lfd.uci.edu/~gohlke/pythonlibs/#lxml) > if you have problems with it, and then execute: > `pip install --no-deps python-aternos`

Development `bash` \$ `git clone https://github.com/DarkCat09/python-aternos.git` \$ `cd python-aternos` \$ `pip install -e .`

Usage To use Aternos API in your Python script, import it and login with your username and password or MD5.

Then request the servers list using `list_servers()`. You can start/stop your Aternos server, calling `start()` or `stop()`.

Here is an example how to use the API: ```python # Import from python_aternos import Client

```
# Log in aternos = Client.from_credentials('example', 'test123') # —OR— aternos = Client.from_hashed('example',
'cc03e747a6afbcbcf8be7668acfebee5') # —OR— aternos = Client.from_session('ATERNOS_SESSION cookie')
```

```
# Returns AternosServer list servs = aternos.list_servers()
```

```
# Get the first server by the 0 index myserv = servs[0]
```

```
# Start myserv.start() # Stop myserv.stop()
```

```
# You can also find server by IP testserv = None for serv in servs:
```

```
    if serv.address == 'test.aternos.org':
```

```
        testserv = serv
```

```
if testserv is not None:
```

```
    # Prints the server software and its version # (for example, "Vanilla 1.12.2") print(testserv.software, test-
serv.version) # Starts server testserv.start()
```

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[More examples](https://github.com/DarkCat09/python-aternos/tree/main/examples)
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[Documentation](https://python-aternos.codeberg.page/)
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[How-To Guide](https://python-aternos.codeberg.page/howto/auth)
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Changelog |Version|Description | |:-----:|:————| |v0.1|The first release.| |v0.2|Fixed import prob-
lem.| |v0.3|Implemented files API, added typization.| |v0.4|Implemented configuration API, some bug-
fixes.| |v0.5|The API was updated corresponding to new Aternos security methods. Huge thanks to
[lusm554](https://github.com/lusm554).| |**v0.6/v1.0.0**|Code refactoring, websockets API and session sav-
ing to prevent detecting automation access.| |v1.0.x|Lots of bugfixes, changed versioning (SemVer).|
|v1.1.x|Documentation, unit tests, pylint, bugfixes, changes in atwss.| |**v1.1.2/v2.0.0**|Solution for
[#25](https://github.com/DarkCat09/python-aternos/issues/25) (Cloudflare bypassing), bugfixes in JS parser.|
|v2.0.x|Documentation, automatically saving/restoring session, improvements in Files API.| |v2.1.x|Fixes
in websockets API, atconnect (including cookie refreshing fix). Supported captcha solving services
(view [#52](https://github.com/DarkCat09/python-aternos/issues/52)).| |**v2.2.x**|Node.JS interpreter sup-
port.| |v3.0.x|Full implementation of config and software API.| |v3.1.x|Shared access API and Google Drive back-
ups.|
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