urllib3

urllib3 is a powerful, *user-friendly* HTTP client for Python. Much of the Python ecosystem already uses urllib3 and you should too.

urllib3 brings many critical features that are missing from the Python standard libraries:

- Thread safety.
- Connection pooling.
- Client-side TLS/SSL verification.
- File uploads with multipart encoding.
- Helpers for retrying requests and dealing with HTTP redirects.
- Support for gzip, deflate, brotli, and zstd encoding.
- Proxy support for HTTP and SOCKS.
- 100% test coverage.

urllib3 is powerful and easy to use:

```
>>> import urllib3
>>> resp = urllib3.request("GET", "https://httpbin.org/robots.txt")
>>> resp.status
200
>>> resp.data
b"User-agent: *\nDisallow: /deny\n"
```

For Enterprise

Professional support for urllib3 is available as part of the Tidelift Subscription. Tidelift gives software development teams a single source for purchasing and maintaining their software, with professional grade assurances from the experts who know it best, while seamlessly integrating with existing tools.

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urllib3 can be installed with pip

```
$ python -m pip install urllib3
```

Alternatively, you can grab the latest source code from GitHub:

```
$ git clone https://github.com/urllib3/urllib3.git
$ cd urllib3
$ pip install .
```

Usage

The User Guide is the place to go to learn how to use the library and accomplish common tasks. The more in-depth Advanced Usage guide is the place to go for lower-level tweaking.

The API Reference documentation provides API-level documentation.

Who uses urllib3?

urllib3 is one of the most downloaded packages on PyPI and is a dependency of many popular Python packages like Requests, Pip, and more!

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Contributing

We happily welcome contributions, please see Contributing for details.

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