

Requests Library

The requests library is an open-source python library that is used to simplify writing http requests to and from other applications/servers. This library is widely popular with over 900,000 repositories and 50,000 packages dependent on this library alone. For our project, this library is used as a dependency for our OAuth Library as Authlib requires this library to be installed in order to make the OAuth features functional.

When first importing the OAuth client from Authlib, the program initializes the OAuth session and when this OAuth session is initialized, request's Session is used to persist the OAuth settings over the browser and server. This code can be seen at https://github.com/lepture/authlib/blob/169c7dcfc47478c8d55553cc95fb0f5578162b77/authlib/integrations/requests_client/oauth1_session.py#L29. The code for the actual request library's session can be found at <https://github.com/psf/requests/blob/master/requests/sessions.py#L337>. The Session class handles features such as SSL Verification, saving cookies, and connection pooling which are needed in order to enable the Authlib library.

The license for the requests library is an Apache 2.0 License. This license allows the user to freely use, distribute, and modify the library without any concerns for royalties or anything of that sort. The license also makes sure you won't be sued for infringing on any patents as users are automatically granted licenses to any patents used in the software. This means we are freely allowed to use the requests library in our software.