google-auth

google-auth is the Google authentication library for Python. This library provides the ability to authenticate to Google APIs using various methods. It also provides integration with several HTTP libraries.

- Support for Google `Application Default Credentials`.
- Support for signing and verifying `JWTs`.
- Support for creating [Google ID Tokens](#).
- Support for verifying and decoding `ID Tokens`.
- Support for Google `Service Account credentials`.
- Support for Google `Impersonated Credentials`.
- Support for `Google Compute Engine credentials`.
- Support for `Google App Engine standard credentials`.
- Support for `Identity Pool credentials`.
- Support for `AWS credentials`.
- Support for `Downscoping with Credential Access Boundaries credentials`.
- Support for various transports, including `Requests`, `urllib3`, and `gRPC`.

> **Note:**
>
> oauth2client was recently deprecated in favor of this library. For more details on the deprecation, see [oauth2client deprecation](#).

Installing

google-auth can be installed with [pip](#):

```
$ pip install --upgrade google-auth
```

google-auth is open-source, so you can alternatively grab the source code from [GitHub](#) and install from source.

For more information on setting up your Python development environment, please refer to [Python Development Environment Setup Guide](#) for Google Cloud Platform.

Usage

The [User Guide](#) is the place to go to learn how to use the library and accomplish common tasks.

The [Module Reference](#) documentation provides API-level documentation.

License

google-auth is made available under the Apache License, Version 2.0. For more details, see [LICENSE](#)

Contributing

We happily welcome contributions, please see our [contributing](#) documentation for details.