API Keys and AUGUR

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What are keys?

To create a smoothly running interface between sofware applications. **API** implementations are used so that information can be exchanged to create many software solutions. To accomplish this end, API keys are used. This helps to reduce the difficulty of creating derivative software and keep the parent software secure.

Here, an **API** key is a unique identifier and a secure token to provide access to an API. An API key is usually generated with a particular set of privilegdes for the entity using it. API keys are mainly used for software applications derivative of the parent application in order to use a feature or access data belonging to the parent.

Examples of software solutions that use **API** keys are twitter bots, discord bots and AUGUR.

Where do I get keys?

API keys are provided by the entity that is providing the API. Typically, this provider gives instructions for developers through a 'developer portal' or similar access point to generate a key. The key gives specified access to specified aspects of the application providing the API.

Specifically, installation requires **API** keys from both Github and Gitlab.

For Github, special **API** privileges will need to be enabled. Namely, repo and all read privilegdes except 'enterprise.' The **API** keygen page can be found here; simply check the required elements and save the generated key.

For Gitlab, the process is similar. This webpage will let you select the required privilegdes along with the date you plan to no longer need the **API** key. Make sure api, read_user, read_api, read_repository, write_repository are all selected before you save the key.

What does Augur use API keys for?

AUGUR uses **API**s from Github and Gitlab in order to make requests for repository information.

AUGUR also generates an **API** key for use in applications that want to use AUGUR functionality via an API.

Where does Augur need API keys in the build process?

The standard installation should prompt you to input the required **API** keys. No config file is neccessary as it will be generated for you.