

## **Introduction**

This user manual assumes the user has already downloaded [this GitHub repo](#) and is running in an Ubuntu 18.04 Linux environment. A different environment may work, but installation/running instructions will likely be different.

## **Installation**

### **Python**

Currently, this project uses Python 3.6. It is recommended a virtual environment is set up. In order to set up an environment using Python 3, use the following command in a terminal:

```
python3 -m venv nameOfVirtualEnv
```

Then activate the virtual environment using the following command:

```
source nameOfVirtualEnv/bin/activate
```

Currently, all needed packages outside of the default Python 3.6 are listed in `src/reddit_live_api/requirements.txt`

Install all necessary packages using the following command:

```
pip install -r src/reddit_live_api/requirements.txt
```

Run Python in a terminal and enter the following lines of code:

```
import nltk
nltk.download('stopwords')
nltk.download('punkt')
```

Finally, `src/reddit_live_api/keys.py` should contain a valid client ID and client secret. See [this link](#) for more details.

### **Nodejs/npm**

To install nodejs and npm, run the following commands:

```
sudo apt update
sudo apt install nodejs
sudo apt install npm
```

Navigate to `src/oscar_vue_demo` and run the following command:

```
npm install
```

### **Execution**

To use OSCAR, one must run the Flask app and have the web server running. Using a terminal and ensuring you have installed/are currently operating with Python that has been set up using the above specifications, navigate to `src/reddit_live_api`. To launch the flask app, run the following command in a terminal:

```
./run.sh
```

One must then launch the web server. To do so, navigate to `src/oscar_vue_demo` and run the following command:

```
npm run serve
```

Wait for the web server to finish deploying, and then open a web browser and navigate to <http://localhost:8080/>

You can now use OSCAR.

### **Using OSCAR**