# Reddit API:

<https://github.com/praw-dev/praw>

* Public API, python wrapper called PRAW (python reddit api wrapper)
* Can pull top comments, hot posts, etc
* PRAW aims to be easy to use and internally follows all of [Reddit's API rules](https://github.com/reddit/reddit/wiki/API). (Thank fook)
* With PRAW there's no need to introduce **sleep calls** in your code. Give your client an appropriate user agent and you're set.

Set up:

* PRAW is supported on python 2.7, 3.3, 3.4, 3.5 and 3.6. The recommended way to install PRAW is via [pip](https://pypi.python.org/pypi/pip).
* PRAW Documentation <https://praw.readthedocs.io/en/latest/>

Subreddits:

* [/r/redditdev](https://www.reddit.com/r/redditdev) is the best place on Reddit to ask PRAW related questions. This subreddit is for all Reddit API related discussion so please tag submissions with [PRAW]. Please perform a search on the subreddit first to see if anyone has similar questions.
* r/CryptoCurrency – 870,000 members
* r/Bitcoin – 1,000,000 members

## PRAW Documentation and set up

PRAW Documentation <https://praw.readthedocs.io/en/latest/>

# Authenticating via OAuth

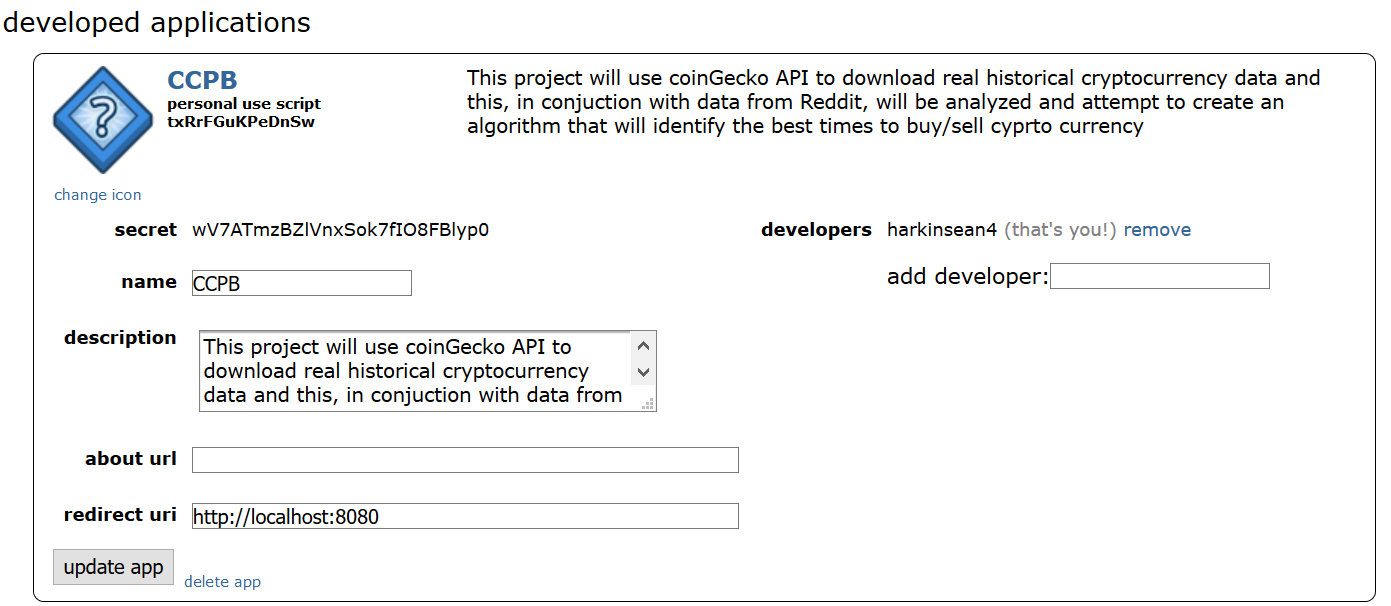
All info is here <https://praw.readthedocs.io/en/latest/getting_started/authentication.html>

PRAW supports the three types of applications that can be registered on Reddit. Those are:

* [Web Applications](https://github.com/reddit-archive/reddit/wiki/OAuth2-App-Types#web-app)
* [Installed Applications](https://github.com/reddit-archive/reddit/wiki/OAuth2-App-Types#installed-app)
* [Script Applications](https://github.com/reddit-archive/reddit/wiki/OAuth2-App-Types#script-app)

The app types are explained here: <https://github.com/reddit-archive/reddit/wiki/OAuth2-App-Types#web-app>

Use <http://localhost:8080> for the redirect uri



**Client ID & Client Secret:**

These two values are needed to access Reddit’s API as a **script** application (see [Authenticating via OAuth](https://praw.readthedocs.io/en/latest/getting_started/authentication.html#oauth) for other application types). If you don’t already have a client ID and client secret, follow Reddit’s [First Steps Guide](https://github.com/reddit/reddit/wiki/OAuth2-Quick-Start-Example#first-steps) to create them.

**User Agent:**

A user agent is a unique identifier that helps Reddit determine the source of network requests. To use Reddit’s API, you need a unique and descriptive user agent. The recommended format is

<platform>:<app ID>:<version string> (by /u/<Reddit username>). For example,android:com.example.myredditapp:v1.2.3 (by /u/kemitche). Read more about user-agents at [Reddit’s API wiki page](https://github.com/reddit/reddit/wiki/API).

## REDDIT API Rules

<https://github.com/reddit-archive/reddit/wiki/API>

**sean-script.py**

Comments are hard to iterate through

**sean\_script\_application.py**

Comments:

Comment.parent() if a top level comment, this returns the submission id

If it is a reply to a comment, it returns the id of the comment it is replying to

.list()

The .list() is a PRAW functionality, it returns a flattened list of all Comments. This list may contain MoreComments instances if replace\_more() was not called first.

So, the order you get things when you use the comments.list() is all of the top level comments, followed by 2nd level comments, followed by 3rd level, so these still aren't necessarily sorted how you want them, but you have all comments, and can access every comment's id and parent's id.

.replacemore

.replace\_more(limit=0) we set the limit to 0 to remove all [MoreComments](https://praw.readthedocs.io/en/latest/code_overview/models/more.html#praw.models.MoreComments) instances without additional requests

on really long comments, there will be a ‘load more comments’ link which is a ‘more\_comments’ object, so we won’t to replace these ‘more\_comments’ objects

Part 3 of Video

How do we rebuild the comment tree?