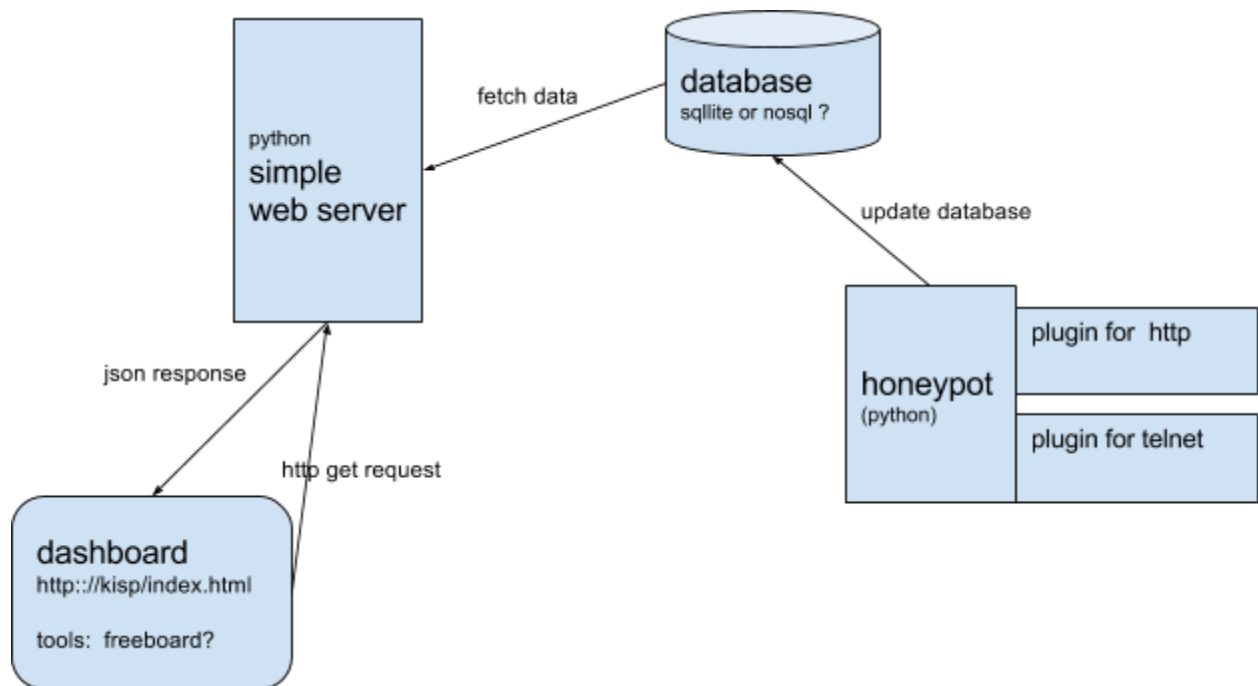# The Honeypot Project Requirements

Goal

Create a very simple one-click install of a honey pot that allows for plugins to be added for each type of port to monitor, save data used to access these ports to a database, serve up that data via a simple dashboard.

Overview of Simple HoneyPot

Requirements

1. One click/script install.
2. Run in a very small footprint so it can sit on a Raspberry Pi Zero
3. Create 2 package installers, Debian and Redhat
4. Create adaption layer for additional plugins to be added to the honeypot to monitor additional ports.
5. Honeypot and Web Server must be written in Python
6. Dashboard can use tools such as Freeboard.
7. Do not need to have code compiled, can run in an interpreter for first release.
8. Each plugin will require its own thread.
9. Data stored will include at minimum:
   > one table for each plugin name? , use plugin name for table name?
   a. pk: uuid
   b. source ip
   c. destination ??won't this always be the same??
   d. port (index)
   e. service name
   f. plugin name
   g. what user typed/sent
   h. date/timestamp

Example Layout