HOWTO

Setup

This program is intended to be installed in /root/go/src/mvouve/github.com/COMP8006.IPS.

If it installed in a different context, the program must be recompiled, and the line

```
const configIni string = "/root/go/src/github.com/mvouve/COMP8006.IPS/config.ini"
```

must be changed in defines.go to reflect the location of the configuration file.

Before running install.sh ensure WEB_DIR is pointing to your apache folder, and that html is the apache root directory.

Ensure that the manifest file, and the rsyslog auth.log are configured correctly in config.ini. If manifest does not exist it will be created when the program is run.

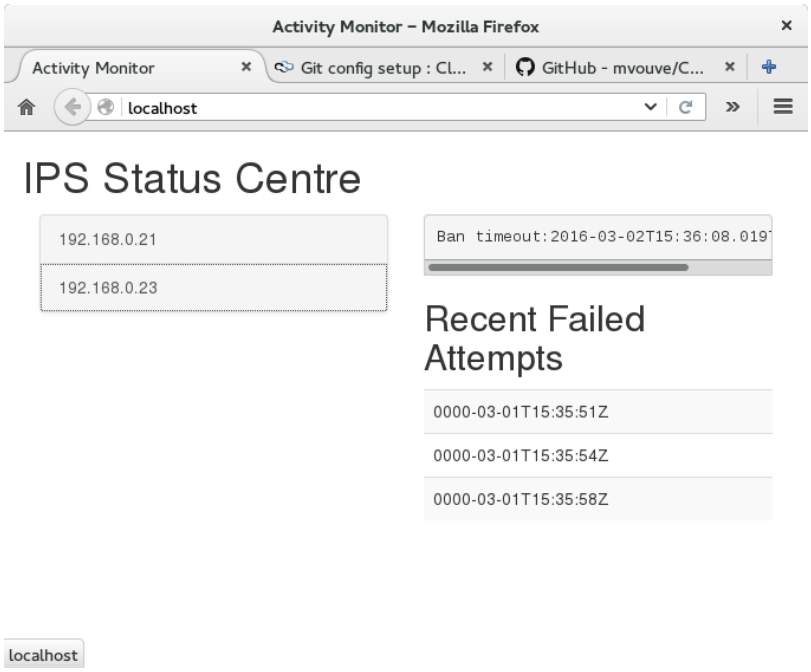
Add a cronjob to crontab assuming the default file location is used the entry should look like this:

```
*/1 * * * * /root/go/src/github.com/mvouve/COMP8006.IPS/COMP8006.IPS
```

At any point the IPS monitor can be viewed on localhost. This can be configured to have a password using apache, a later version of this IPS may include protection for this.

Usage

As the IPS is run through cron there are limited uses for it. However, the IPS also has a monitor that can be loaded in a browser that periodically polls data from the IPS's manifest and displays it in a browser as shown to the right.



On the left of the screen there is a list of IPs that have connected to the server. If one is selected it displays information about that connection on the right hand side. At the top of the display it shows the time that the current ban will end, below that it shows all the failed attempts to connect by the IP currently selected.