499 Weekly Report

October 9nd
Hunter Hottest Sites
Eli's Work

From Last Week

Code:

☒ Strip the site name to just the top level domains, not the full name, example:
(go from 'ash2-accesspoint-a18.ash2.spotify.com' to 'spotify.com')
☒ Run the capturing function in a thread, that way data can be written on a different thread and if the capture fails or is stopped, the data remains.
☒ Figure out a way to export this data, so it is accessible while PI is running. (csv/hosted DB)

Project:

☐ Finalize script and leave it running for a ~~day~~ (Minute) to find out what type of results we get.

Added Mid Week

Code:

☒ Divide main file into modules.
☒ Learn JSON, and export our data using this format, as it is faster than reading/writing CSV or connecting to online DB and plugging in values.
☒ Create JSON function to export DATA and test it! Upload data to github so front end people members can start building the site using this sample.
☐ Do more research on plotly, implement it on your modules?

Project:

☒ Work with Oliver to find out on what format he wants the JSON data file.

For Next Week

Code:

☐ Start putting packets in their corresponding time buckets, and make sure it works.
☐ Learn plotly! Try to do a live stream using data collected.
☐ Finally deploy the PI and get at least 3 hours of traffic?
☐ Export the packet time intervals using unix timestamp format? (seconds since 1970).
☐ Fix bogus destinations/domain names. Whether manually, or grab just what's relevant.

Project:

☐ Learn about the subnets at Hunter and find out on which subnet/wifi we get the most traffic from students.
☐ Finalize script and leave it running for a ~~day~~ (Minute) to find out what type of results we get.