KompyuterM3chakrs

Week of (Date):June 14, 2019, Friday

Team Members Active this Week:Nathan Bellew, Keren Angeles

Weekly Update of Project/Research (Summarized by Team Lead):

This week was highly focused on how data is transferred over a network. File transfer is a portion of what the Lawn Mower may entail, although the only way to connect with it would be Bluetooth, there is still a chance it could be vulnerable. This also leads into topics regarding network and social hacking.

Name: Nathan Bellew Hours worked this week:

Please explain in detail what you worked on this week.

Built programs that could be transferred over the network via, Zip file. This was created with the hopes that if injected into a computer it will allow for easy access to data. Often sending massive chunks over the internet can be tedious, so zipping the files early was the best soultion.

What are the outcomes of your research and time for the week?

The project, Gobbler, which will “gobble” files after given an name, and store them in a temporary zip, is coming along. Although not complete, next week could show full release of the simple version.

Please describe any roadblocks or difficulties you experienced in your research this week.

The biggest roadblock of course is ensuring python properly covers it’s tracks when handling the files that are being zipped. And also controlling what happens to the zipped file and how it is maneuvered through the system. There was a small problem where it would create a file tree system instead of copying over singular files.

What are your next steps moving forward?

From here I will complete the program and release it on github, or privatize it if need be.

Name: Keren Angeles Hours worked this week: 25-30hrs

Please explain in detail what you worked on this week.

This week I did a self study on networking. I learned how to send packets through Scapy, a program that manipulates packets and to analyze the packets using Wireshark.

What are the outcomes of your research and time for the week?

During this self study I learned how files and data are transferred over network. For example I learned how files are transferred from a website on the internet to a device by learning about the functions of IP addresses and MAC addresses.

Please describe any roadblocks or difficulties you experienced in your research this week.

When I was learning how to send a packet to the router, initially I was not able to see the packet sent when I viewed it in Wireshark. The problem was I was not sending it to the correct IP address. So once I figure the correct IP address for the router I was able to send the packet successfully.

What are your next steps moving forward?

The next steps I would like to look into is to apply what I learned about networking using Raspberry Pi.