**OpenSSH User Enumeration**

**Rory Murphy – 217242934**

**What is the tool (How does it work)?**

OpenSSH User Enumeration takes advantage of a vulnerability found in versions 7.7 or under for OpenSSH. It then proceeds to test each username in a wordlist to see if there is a match and prints the result to an output file.

**How does it fit into the overall project?**

This tool will allow us to fill in the gaps between a network scan and pure bruteforcing as to speed up the overall effectiveness of the toolkit as we did not have a way to determine usernames on an SSH server.

**What are its features?**

* **Test usernames on an SSH server against a wordlist to check if they are available or not.**

**How to use the Tools**

Run the program off a linux terminal by running “python3 sshuser.py --userList [user.txt] --outputFile [output.txt] [TargetIP]” in the file location with a userlist and an output list and the target IP address of the OpenSSH server location.

**What are the Limitations?**

This vulnerability is only found in OpenSSH servers with the version 7.7 or below as it was patched out after this.

**What would you change?**

Add a GUI to automate the use of arguments required for this program to run.

**Any Outstanding Issues?**

N/A

**How to expand/edit the tool**

Add a GUI.

See proposal for source