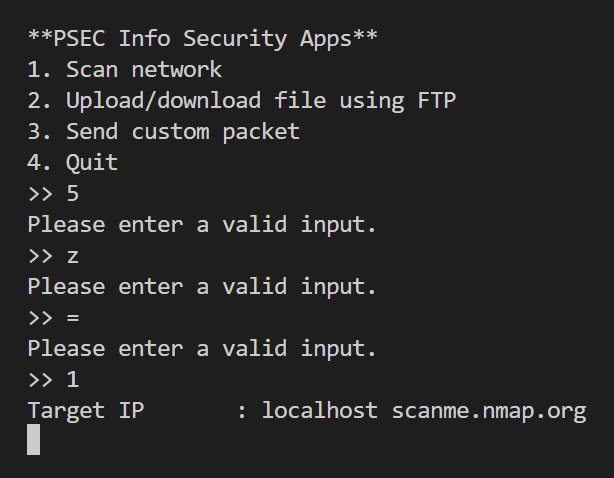
Comprehensive User Testing

This document shows outputs from valid and invalid inputs

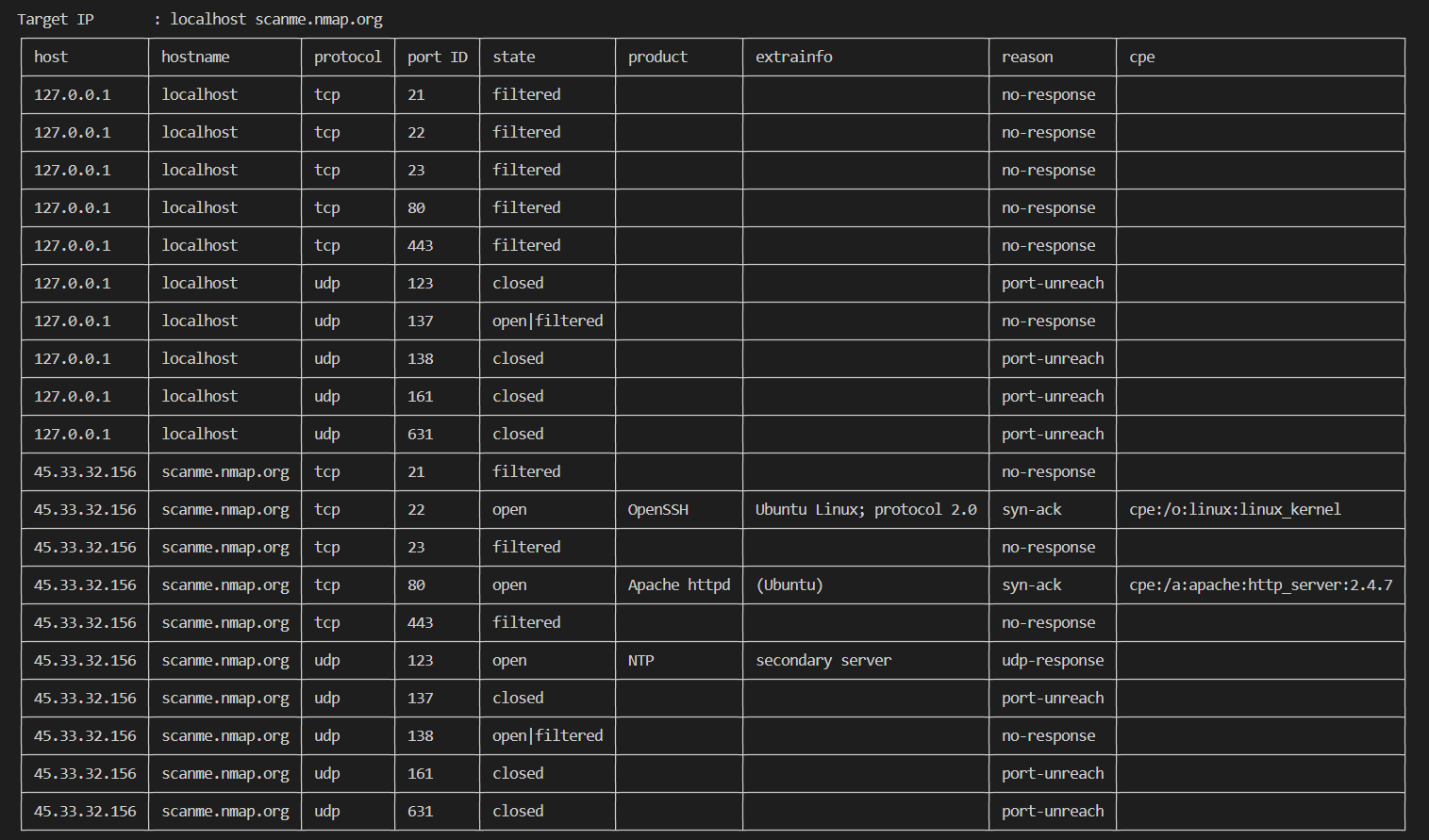
# Main Menu

Prompts for a new input until a valid input is entered



# Nmap Scanner

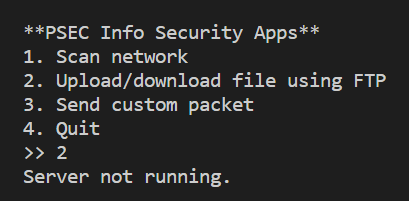
Option 1 of the main menu displays a scan of the top 10 ports (TCP & UDP) of localhost and scanme.nmap.org each.



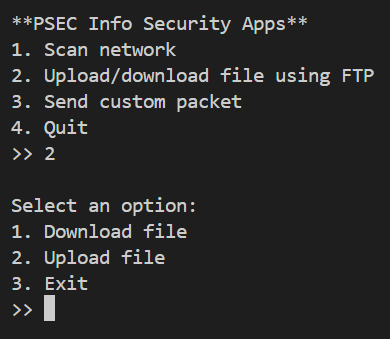
# Upload/download file using FTP

Option 2 of the main menu allows the user to upload or download files from the server via FTP.

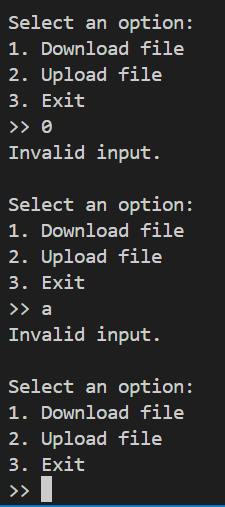
If server is not running:



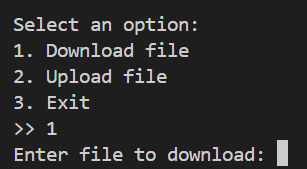
If server is running:



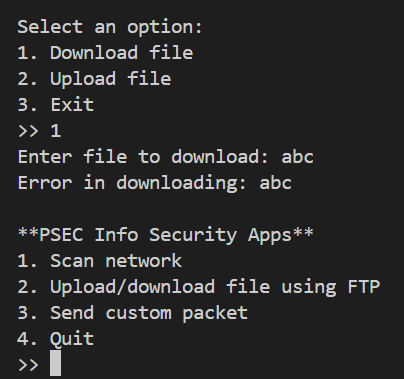
Invalid input for upload/download menu:



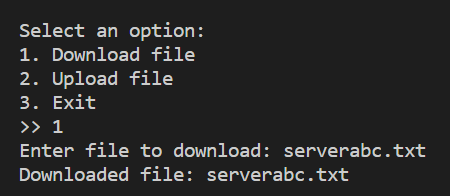
Input 1 (download):



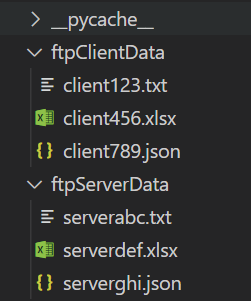
Invalid input for download file:



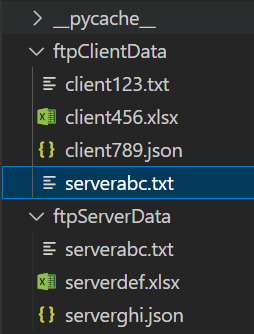
Valid input for download file:



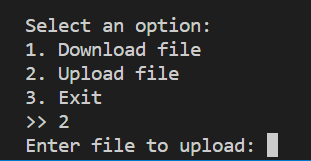
Before download:



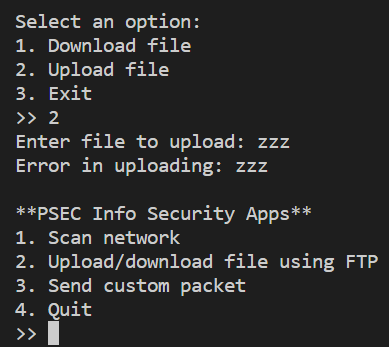
After download:



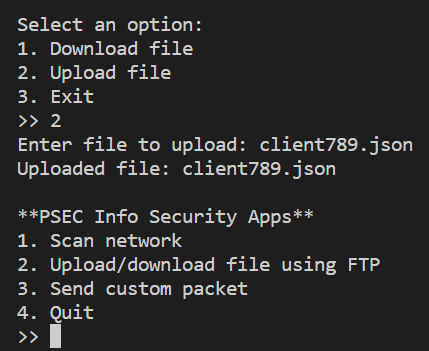
Input 2 (upload):



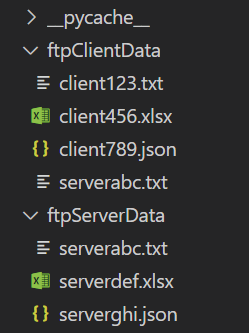
Invalid input for upload file:



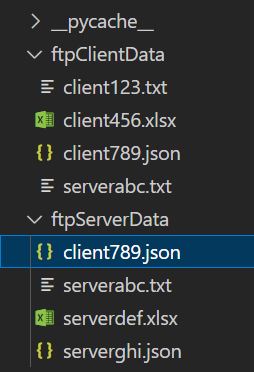
Valid input for upload file:



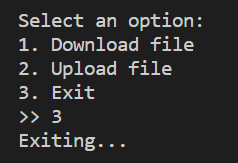
Before upload:



After upload:

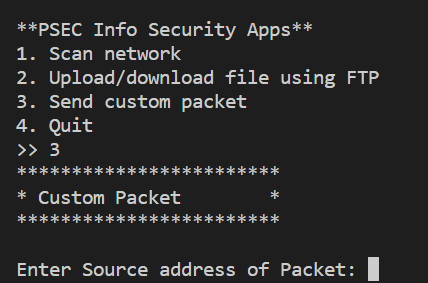


Input 3 (exit):

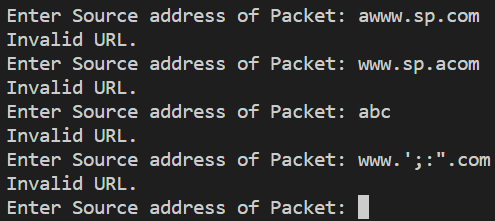


# Custom Packet

Option 2 of the main menu allows the user to upload or download files from a the server via FTP.



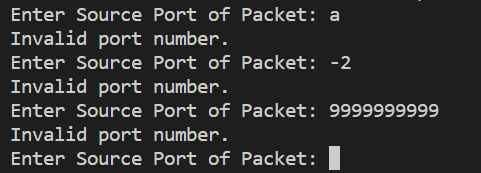
Invalid source address:



Valid source address:



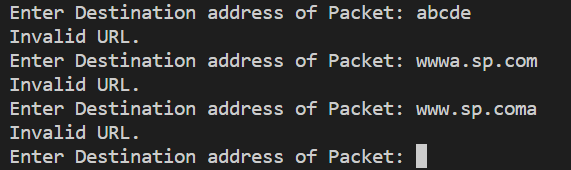
Invalid source port number:



Valid source port number:



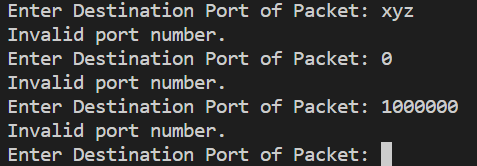
Invalid destination address:



Valid destination address:



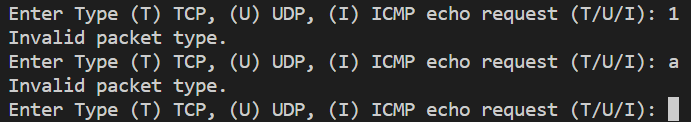
Invalid destination port number:



Valid source port number:



Invalid packet type:



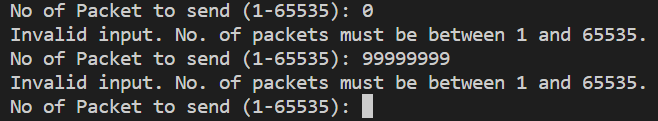
Valid packet type:



Raw data (no validation required)



Invalid number of packets to send:



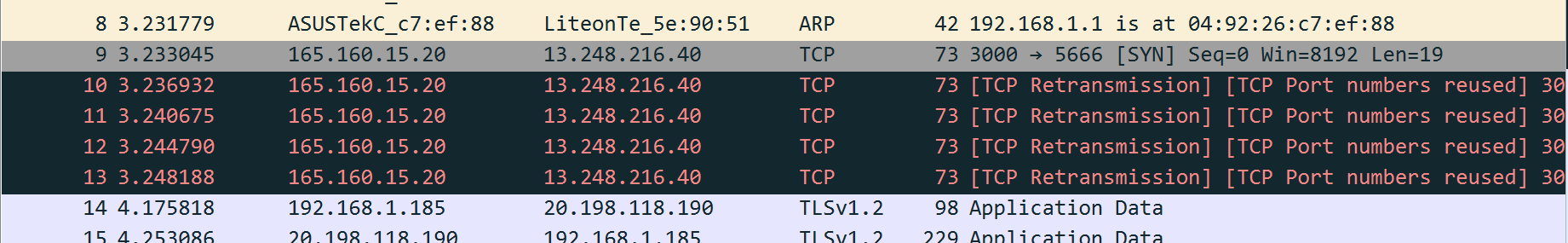
Valid number of packets to send:



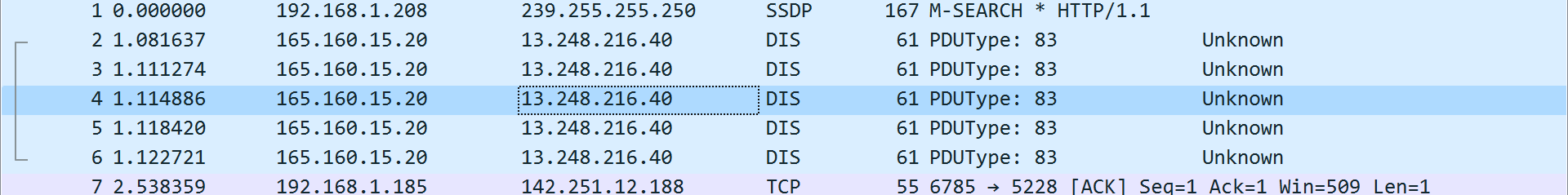
Confirm start:



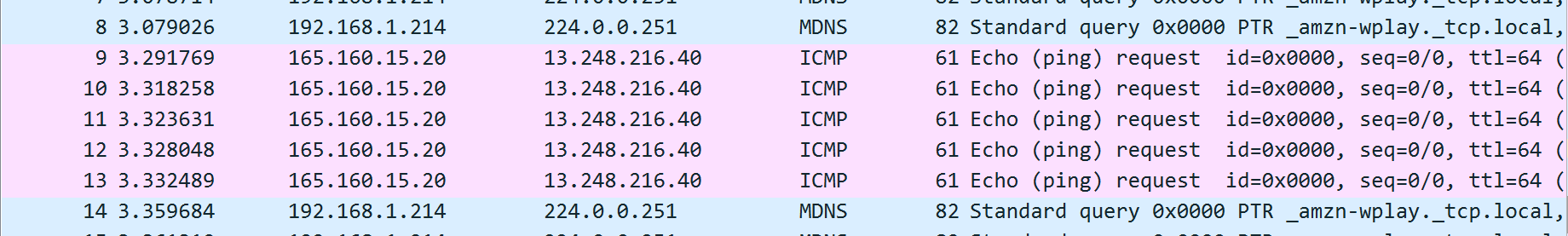
Wireshark capture TCP:



Wireshark capture UDP (DIS uses UDP):



Wireshark capture ICMP



Abort start:



# Quit

Option 4 of the main menu closes the program

