

CS 307: Systems Practicum

Activity 3: Netstat, ping, traceroute, Windump, and proc

To be done in class groups; due: before the end of the class on 1st Feb 2024

Q1. Run the netstat -n INTERVAL and monitor the statistics for all network connections. Now try different options with the command like -e, -s, -o, -n, -a, -p (try combining these options, e.g., -es). *Hint:* You can learn about all options by typing netstat /? [1]

Q2. Run the ping utility code covered in the class and ping google.com, stackoverflow.com, and medium.com [1]

Q3. Please run the traceroute utility shown in the class in Python. Try to trace the route to stackoverflow.com and medium.com [1]

Q4. Please run the Windump/tcpdump utility taught in the class. Please try the -D, -i, -i port, -w, -s, and -r options. [1]

Optional Bonus: +1 point

Q5. Please try the ls /proc command. Also, please try cat /proc/cpuinfo [1]