

QUESTION FRAMING OF NETWORKING COMMANDS

1. **Execute a networking command to “change time interval between ping packets” and “to change ping packet size”.**

ping -i 3 hostname # Changes interval to 3 seconds between packets

ping -s 70 hostname # Changes packet size to 70 bytes

2. **Execute a networking command to “make ping send set number of packets” and “make ping print timestamp before each line”.**

ping -c 15 hostname # Sends 15 packets then stops

ping -D hostname # Prints timestamp before each line

3. **Execute a networking command to “limit the number of network hops” and “allow super users to send 100 or more packets per second”.**

ping -t 10 hostname # Limits network hops to 10

sudo ping -f hostname # Allows superuser to flood network (100+ packets/sec)

4. **Execute a networking command “to find the route to the given destination” and “show IP address do not resolve Host Name”.**

tracert hostname # Find route to destination

tracert -n hostname # Show IP addresses without resolving hostnames

5. **Execute a networking command “to set response time” and “to find out IP address of Domain”.**

tracert -n -w 1 hostname # Sets 1 second response timeout

nslookup hostname # Finds IP address of domain

6. **Execute a networking command “to find out specific domain Lookup” and “to query Name Server record”.**

nslookup domain # Find specific domain lookup

nslookup -query=ns domain # Query nameserver records

7. **Execute a networking command “to list all active listening TCP and UDP ports”**

netstat -l # Lists all active listening ports

8. **Execute a networking command “to display ARP entries for a particular address and for an Interface”.**

arp -a ipaddress # Display ARP entries for specific address

arp -i interface # Display ARP entries for specific interface