

Linux – Advanced Practice

Using the commands you have studied, answer the following questions and indicate the command you have used to reach the answer. You may use Google to your advantage. (Please use the commands you had studied before, do not go into complicated means to answer this question)

1. What is the default gateway of your computer? How can you see it through your CLI? (hint: route)
2. Is your default gateway connection working fine? How can you verify it? (hint: ping)
3. Can you capture three packets coming on your eth0 network interface? (hint: tcpdump)
4. I want to install a package by the name of 'wireshark'. How would you install it? (hint: apt-get)
5. Can you check if your machine can connect to any other machine on the network?
6. Can you login to any machine on your network and list the contents of Downloads folder?
7. Which process is taking most memory of your computer? (hint: top)
8. Search which files contain the phrase "open vswitch" on your system. (hint: grep)
9. Can you find the path of the folder where a file named GUIDE is present? (hint: find)
10. Turn off the firewall for your system.
11. List atleast three kernel modules running on your computer. (hint: lsmod)
12. Start Firefox from your CLI. Can you tell me the process ID (PID) for this process?
13. Kill this process from the CLI.
14. Can you use Linux command history to tell me your 65th, 24th, 12th and 70th number command entry?
15. What is the IP address and netmask of your computer?
16. If I want to check what the Linux command "wget" does but I do not have an internet connection, how would I do it?