

Linux questions

Please answer below questions.

1. What is the difference between Linux and Unix?
2. What is BASH?
3. What is Shell?
4. What is a swap space?
5. Explain File Permission types in Linux?
6. What are the symbolic links?
7. What are the hard links?
8. What are inode and process id?
9. What are the Process states in Linux?
10. Explain File Permission groups in Linux?
11. What is umask?
12. How do you kill a process in Linux?
13. What is a zombie process and what could be the cause of it?
14. Explain what `[echo "1" > /proc/sys/net/ipv4/ip_forward]` does.?
15. How do you troubleshoot memory performance issues? Please explain the details?
16. Mention one command which shows disks partitions sizes and types?
17. command shows free inodes on mounted filesystems?
18. command shows free space on mounted file systems?
19. How do you limit memory usage for commands?
20. command shows top disk users in the current dir?
21. command shows files by size, biggest file will be displayed last?
22. command lists the open files associated with your application?
23. How do you check the permissions of each directory to a file?
24. How do you find who is logged in?
25. How do you get the full path of a file in Linux?

For the below questions explain the process and attach screenshots of the step-by-step process and output.

1. Launch two servers and establish password less authentication between them.
2. If the pem key of the server is lost, how will you retrieve the key? Launch the instance delete the pem key and again retrieve the key.
3. How do you run the command every time a file is modified?
4. User root has created a file "TestFile" which must not be opened by anyone except root and another user "Kiran", how can this be done?
5. Cannot SSH as root/user to the server how do you trouble shoot this issue?

Thereby

6. Disk Space is full and cannot add/extend the disk space how do you resolve the issue?
7. Create two servers and send files from one server to another server.
8. Running Out of Memory? How do you check the memory and how do you resolve this issue?
9. How do you add/Extend the Swap space?
10. System unexpectedly reboot and process restart? How do you troubleshoot this issue.
11. HTTP error 403: forbidden yum occurs when we try to install a package using yum? How do you troubleshoot the issue?
12. Attach a new volume to the server and mount it to a specific path of a file system.
13. Unable to Run Certain Commands? How do you resolve this.
14. How do you List User Last Login on server and where this information is stored? And also find the last login by dates? And also find the bad login attempts?
15. What causes high I/O wait time? How to diagnose I/O wait time in Linux? How do you identify which process causing high I/O wait time