

General & Linux

1. Explain your Day-to-Day activities.
2. Do you have hands-on in Linux? If yes, which platform?
3. What is the latest version of Ubuntu?
4. Explain most common Linux commands.
5. How to check one running process?
6. How to list running processes?
7. You need to find one particular process ID and how to kill that? Is it possible in a single command?
8. How to check disk usage?
9. How to find free memory?
10. How do you archive and compress a directory in Linux?
11. chmod 755 means?
12. If I provide chmod 755, what exactly will happen?
13. What is chown?
14. How to list all SSH users in Linux?
15. Purpose of grep command?
16. I need to grep keyword: linux. Expect the keyword linux, I need to list out all the lines from the linux.txt file. Which flag will you use with grep?
17. Difference between cron and at?
18. How to schedule activity in Linux and you need to run a script every 5 minutes?

AWS / Cloud

19. I have index.html on GitHub, I need to push it into AWS. The requirement is one load balancer is required, and we provide index.html in GitHub repo with username and token. How to achieve this?
20. What is dependencies/resources for the IP?
21. What is the command to connect EC2 instance?
22. How to implement Internet Gateway?
23. How to configure Internet Gateway to route table?

24. What is the exact command to log in to the instance and what kind of authentication will you use? (password or key-based)
 25. In which path will you create index.html in the server?
 26. If one Apache server is running, I need to check logs. Where do I check? In which directory?
 27. What kind of logs can be seen in /var/log?
 28. What is Route 53?
 29. Is it possible to purchase a domain in Route 53?
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Git

30. Explain Git pull and Git fetch.
 31. How do you resolve merge conflict?
 32. How to generate token in GitHub? Explain the steps.
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Docker

33. How to create custom image in Docker?
 34. Elaborate Dockerfile.
 35. What are the prerequisites of docker build command?
 36. How to copy file from the container to host?
 37. What if we put COPY . in Dockerfile? What will happen in background? What is the source and destination here?
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Monitoring (Prometheus/Grafana)

38. What is the configuration file of Prometheus?
39. Where can I setup the alerting? In Prometheus or Grafana?
40. I want to configure one alerting: disk usage of one of the servers reaches 80%, it should alert via SMS. Where can I do these configurations?