

-----Infosys interview Questions-----

Technical:

1. Explain your roles and responsibilities.
2. Explain the stages in ur project declarative pipeline.
3. What is devops?
4. What is ci/cd?
5. What is difference in DevOps and CICD?
6. What are the git commands you use?
7. Difference in git fetch and git pull?
8. What is default port of Jenkins?
9. How to change Jenkins port no?
10. How to connect master slave?
11. How to checkout git code in Jenkins?
12. How to take backup of ur jenkins?
13. Do you have any script to launch slave nodes?
14. How do you resolve build failure?
15. Difference in soft link and hard link?
16. How to find a particular word from a file?
17. What is stop command?
18. What is Terraform provisioner?
19. What is Terraform module?
20. Is it possible to lock Terraform module?
21. What is AWS vpc?
22. How do you select availability zones using Terraform?
23. What is difference in S3 and other AWS storages?
24. How do you use S3 bucket in your project?
25. What is Terraform provider versioning?

26. How do you run docker container?
27. What is ansible playbook?
28. Syntax of ansible playbook
29. How u run ansible playbook?
30. Have you worked with any alerting monitoring tools?

Managerial:

1. Tell me about yourself
2. What are your daily routine as DevOps
3. What is ur team size
4. How scrum call happens
5. Do you take part in requirement gathering
6. Do you take calls with onshore and client?
7. Reason for change?
8. What is production issue u faced?
9. What was the exact reason?
10. How did you fix?
11. Do you write documentation
12. What other activities u do in ur project?
13. Who decides the server specification?
14. How u provision server?
15. Are you open to working in shifts?

Question Set - 2

1. how to check memory in linux?
2. how to check ram?
3. how to check run levels in linux?
4. how can you check file Size?
5. what is Lsof ?
6. how to check kernerl version of linux machine?

7. diff b/w CMD and entryptpoint?
8. what is docker image?
9. how to run docker container?
10. what is the dif b/w COPY & ADD IN docker file?
11. difference between docker and VM?
12. Explain Docker Swarm?

13. how many servers your maintain?
14. how to attach volumes in your ec2 instance?
15. how to create a volumes?
16. what is vpc?
17. some times your aws instance unable to launch at that time how to troubleshoot ?
18. What is the function of Amazon RDS in AWS DevOps?

19. Name the components of Terraform?
20. Modules in Terraform?
21. what is the state file in terraform?
22. What do you mean by Terraform D?
23. Define Terraform provider?

Jenkins Interview Questions

1. What is Continuous Integration?
2. What is Jenkins?
3. What is the difference between Jenkins, Maven & Ant?
4. SCM that Jenkins supports?
5. What is relation between Hudson & Jenkins?
6. What are advantages of using Jenkins?
7. What are plugins in Jenkins?
8. Mention all the plugins you used in Jenkins and its purpose?
9. How do you clone git repo in Jenkins job?
10. How do you build Java code with Maven in Jenkins?
11. What is static code analysis and what plugin you used for it?
12. What is downstream and upstream job?
13. What is Nexus repository manager?
14. How can you version and upload artifacts in Nexus repo?
15. How can you deploy artifact to Tomcat server from Jenkins job?
16. What is workspace in Jenkins?
17. Copying artifacts to another job?
18. What is build pipeline?
19. How to create users in Jenkins?
20. How to add/remove/disconnect nodes in Jenkins?
21. How to restrict Jenkins job to execute on a particular node?
22. How to setup multiple Java or Maven or Git versions in Jenkins server?
23. How to set Environmental Variables in Jenkins?
24. How to install/update/remove Plugins in Jenkins?
25. How to execute Ansible playbooks from Jenkins?
26. How to pass variables to Ansible playbooks from Jenkins job?
27. Build ID variable name?
28. What is console output?
29. What is build history?
30. How to store credentials in Jenkins?
31. How to deploy older versions of artifacts from Jenkins job?
32. Name different Phases in Maven and its purpose?
33. How to restart Jenkins from browser?
34. How to start/stop/restart Jenkins from command line?
35. What is the location of workspace of jobs in Jenkins server?
36. Benefits of using Nodes in Jenkins?
37. How to execute Bash script from Jenkins job?
38. Have you configured Jenkins's job? If yes, Tell me the process
39. What is continuous integration why we need it?
40. How your CI & CD pipelines are configured.
41. Have you worked on Maven?
42. How many slaves are there in your Jenkins's. How many executables are in each slave

43. Where you can store the build zip file(artifact). And how you deploy this to your environments?
44. How to roll back the project from current version to previous versions?
45. What plugins are u used in your project
46. How to write custom scripts in Maven
47. How to setup jenkins server and nodes using ec2 instances
48. how to deploy application by using git and Jenkins
49. For java app what are the best tools which is used for CI and CD tools.-
50. What problem CI solves, advantage of CI.
51. Maven and Ant
52. What is maven from where we get the pom.xml for the jobs. —
53. Maven is a build tool.
54. mvn archetype:generate
55. what is pom.xml file?
56. Maven and ant difference and what are the different scenario where it is used----
57. Difference between Ant and Maven. Ant and Maven both are build tools provided by Apache. The main purpose of these technologies is to ease the build process of a project. Ant doesn't has formal conventions, so we need to provide information of the project structure in build.xml file.
58. what is ant and from where we get the build.xml for the jobs.---
59. how pom.xml will read the variables which we use in the jenkins like version.----
60. By invoking maven
61. what is dependency in pom.xml---
62. POM inheritance
63. Invoke maven task is there in post build option

-----Git Interview Questions-----

1. What is Version control system or Source code manager?
 2. Benefits of VCS or SCM?
 3. What is Git and What is a repository in GIT?
 4. Diffrence between Git and SVN?
 5. Two types of git authentication?
 6. Branches in Git and its purpose?
- What is the common branching pattern in GIT?
7. What is Pull requests?
 8. How to install git in Linux & Windows?
 9. How to setup repository though command line?
 10. How to setup repository in github and clone it?

11. What is git clone command used for?
12. What is git config command user for?
13. Git config data is stored in what location?
14. Git config global and local files?
15. Content of git config file?
16. Git add command's purpose?
17. How to remove/rename files in local git repo?
18. git commit command's purpose?
19. How to sync local git repo data with github?
20. git fetch?
21. git merge?
22. git pull?
23. How to change branches in local git repo?
24. What is the difference between 'git remote' and 'git clone'?
25. git status?
26. What is the function of 'git rm'?
27. What is the function of 'git checkout' in git?
28. What is the use of 'git log'?
29. Explain what is commit message?
30. How to setup github ssh authentication?
31. What is git webhooks?
33. Tell me the branching strategies you followed for your project?
34. What is git rebase?
35. What is git stash?
36. What is the difference between git pull and git fetch?
37. Difference between git and svn?
38. Advantages of git compare with svn?
39. Explain about staging area in git?

40. How do you check after git merge ...where merging is correctly or not?
41. How to create branch and delete a branch?
42. Do you get any conflicts while merging..how can u resolve conflicts?
43. How can u implement authentication and authorization in git?
44. What is the difference between git rebase and git merge?
45. How to merge the code?
46. Pull request in git hub - ---git pull
47. Forking a repository in git hub?
48. Diff between svn and git ---svn is centralized version control and git is Distributed Version Control.?
49. What is forking in git repositories?
50. explain about soft and hard reset and their difference?
51. What kind of branching and merging you worked on GIT.
52. with this kind of environment and the git release branching, does it work in Agile methodology?
53. What is tagging in GIT and what is the diff between feature branching and tagging?

-----Kubernetes-----

- 1) what is taint and toleration
- 2) node affinity an pod affinity
- 3) how to check the logs of a pod or deployment?
- 4) how to check how many pods are running
- 5) what are deployment strategy used in your project
- 6) what is init container
- 7) what is statefullset
- 8) what is ingress
- 9) difference between headfull and headless service
- 10) difference between secret and configmap
- 11) what is livenessprobe and readinesspeobe
- 12) how to access other pods in a cluster

- 13) what is a pod
- 14) how you will make sure that the database should start first and then application
- 15) Types of storage class used in your project
- 16) difference between statefullset and stateless
- 17) describe kubernetes architecture
- 18) difference between PV and pvc
- 19) 2 containers are running inside a pod if one container goes down then will it affect other running container
- 20) Update the password in secret without restarting the pod or deployment ,is it possible ?
- 21) how to rollback the deployment?
- 22) what is the reason for pod eviction?
- 22) pod is in pending state ,what are the possible reasons?
- 23) how you will make sure that in rolling update strategy 2 pods are always available?
- 24) crashloopbackoff, what are the possible reasons?
- 25) why you are using 3 master node in production?
- 26) how you will make sure that pod should be running on a specific node?
- 27) how to check what are the activities performed by the container while creating the pod
- 28) how to get the ip of a pod ?
- 29) which network plugin you are using?
- 30) how you are monitoring the kubernetes cluster and the containers
- 31) Job should be terminated after 40 seconds ? ActiveDeadlineSeconds: 40

-----DOCKER-----

- 1) difference between add and copy ?
- 2) difference between CMD and entry point ?
- 3) ADD . .
- 4) what is docker file ?
- 5) how to check how many containers are running ?
- 6) docker logging driver ?

7) what is difference between bridge network and custom bridge network?

8) difference between overlay network and host network ?

9) what is port forwarding in docker what is the use of it ?

10) how to login/enter to a container?

11) what is docker system prune and docker image prune?

12) how many types of volumes are there in Docker? (Local and network)

13) How to check image vulnerability ?

-----AWS-----

1) What is EFS ?

2) how to configure S3 with SDN?

3) s3 lifecycle policy

4) static website hosting using s3

5) Describe your project architecture ?

6) What is private subnet and public subnet?

7) what is NAT gateway ? other way , No one can access the database server from internet but from database server we can download the patch?

8) can we mount s3 on ec2 instance?

9) can we make s3 bootable?

10) what are routing policy in rout53?

12) how to take snapshots of a rds database in every 3 hours?

13) how to get the public ips of all ec2 instance under a single user account ?

14) user's are complaining they are not able to access the server ,what is approach to fix this ?

15) difference between security group and NACL?

=====Terraform=====

- 1) What is statefile and what is the use of it ?
- 2) where you are keeping the statefile ?
- 3) how to declare a variable ?
- 4) what is the difference between provisioner and provider?
- 5) how pass a value from one resource block to another ?
- 6) how to reuse a module?
- 7) what is the difference between Terraform init and terraform apply?
- 8) how to validate the terraform file ?
- 9) what terraform plan does?
- 10) how to create 10 ec2 instance using the same script ? (count= 10)
- 11) By mistake if you downgrade the instance from t2.large to t2.micro ,then what will happen when you run the terraform script?