

TOP MNC — AWS / DevOps INTERVIEW QUESTIONS → 2024



LTI_MINDTREE



1. What is GIT stash ?
2. What is a branching strategy?
3. What is the command to discard changes in the working directory?
4. How do you debug the exited container?
5. How do you execute jobs parallely in Jenkins?
6. Maven Lifecycle?
7. How do you upgrade Jenkins?
8. What is called a Parameterised Job in Jenkins ?
9. What is called Docker Swarm?
10. How do you handle codes in Nexus satisfactory?
11. How do you manage space issues in the Jenkins server?

12. what is called a multibranch project in the Jenkins server ?
13. How do you secure the Jenkins server?
14. How do you manage GITHUB roles?
15. What is called a NULL resource in Terraform?
16. What is called terraform fmt ?
17. What is called Snowball?
18. How do you manage credentials in Terraform?
19. What is called Code Deploy in AWS?
20. Can you attach a single EBS volume to multiple EC2 instances at the same time?
21. Can you use Multiple FROM in DockerFile ?
22. DockerFile runs as which user?
23. How can we pass an argument to DockerFile?
24. What are deployment strategies?
25. What is called an application load balancer?
26. What is Kubernetes architecture ?
27. What is called Fargate service in AWS?
28. What are Register targets in Ansible?

29. How do you pull artifacts from NEXUS?
30. How to access the S3 bucket privately ?
31. What is the difference between a NAT instance and a NAT Gateway?
32. How can you restrict particular IPs accessing EC2 instances?
33. What is called VPC peering?
34. What is called Transit Gateway?
35. What are the types of autoscaling?
36. To prevent DDOS attacks, which load balancer is used ?
37. What is called a sticky session?
38. What is called Lambda?
39. How do you manage tfstate file in Terraform?
40. How do yo create multiple ec2 instances in terraform ?
41. AWS has released a new service, how does Terraform behave?
42. How do you uncommit the changes that have already been pushed to GitHub?

43. What is the difference between git pull and git fetch?
44. What is called Jenkins File?
45. What is called Shared Libraries in Jenkins?
46. What is called docker networking?
47. What is called a Trust relationship in AWS?
48. What is called Public Subnet and Private Subnet?
49. How do you establish a connection between ec2 instance to another ec2 instance?
50. What is realm command ?
51. How do you differentiate within an AWS account dev env, test env, and prod env?
52. Types of ec2 instances?
53. How can you encrypt the already created unencrypted EBS without creating a fresh EC2 instance?
54. How do you install Nginx in the Ansible playbook?
55. How do you recover the deleted object in S3?
56. How do you route the data only to one EC2 instance when an application load balancer has 5 servers connected ?
57. What is called "FROM SCRATCH" in Docker?

58. Can we run the container inside the container?
59. Can we use Ansible to create infrastructure in AWS ?
60. What is called EC2 auto recovery?
61. What is called Persistent Storage in Docker?
62. What happens when you delete `/var/lib/docker/overlay`?
63. What are called regular expressions in Linux?
64. What is called dynamo DB?
65. How do you push the image to DockerHub?
66. Why do you change the name of the image using the tag command in docker?
67. How do you authorize data to the Application Load Balancer?
68. What is called Event Handler in Lambda?
69. What is the difference between CMD and Entrypoint in Docker?
70. What is called Cloud Formation?
71. How do you change the name of an instance in terraform file without destroying it?
72. How does Ansible execute the jobs?

73. How to connect the on-premise data center to AWS?

74. What is a GIT tag?

WIPRO



1. What is DevOps?
2. Why do we need a DevOps?
3. How do you configure the job in Jenkins?
4. What are the roles you played on your laptop?

5. How do you configure ansible in Jenkins?
6. Difference between an ant and a maven?
7. Git workflow?
8. Maven lifecycle?
9. Where do you find errors in Jenkins?
10. How do you integrate sonar Qube in Jenkins?

MICRO FOCUS



1. How do you configure the bucket?

2. Differences between git rebase and git merge?

3. What is git init?

4. What is a git clone?

5. If there is suddenly the file is deleted in git how do you get it back?



6. What is CI/CD?

7. What is the purpose of Docker?

8. In Jenkins how can you find log files?

9. By using Ansible how to deploy in Jenkins?

10. What is the use of ansible?

11. What is configuration management?

Capgemini



1. Roles and Responsibilities?
2. Daily activities what you have done in the current project?
3. Jenkins workflow and write a script for this workflow.
4. In Ubuntu sever what is a public key and private key?
5. Write a script for what you do daily.
6. Three members have the same password one I have to change write a script for this example.
7. Write a script for how to push the repository and build the job in Jenkins.
8. About the project?
9. What are EC2 and VPC how do we create & write a script?



1. Difference between SVN and GIT?
2. Difference between an ant and a maven?
3. What are the version control tools are using in the present market?
4. Git commit?
5. Git push and fetch?
6. How to create a repository in GitHub?
7. How to push the file in the GitHub flow?
8. Have you worked on maven scripts?

9. About branching strategies?

10. Maven lifecycle?

11. About pom.xml?



12. How to build a job in Jenkins?

13. How to create a continuous deployment in Jenkins?

14. Poll SCM?

15. In Jenkins how to give backup from one server to another server?

16. Difference between Docker and Ansible?



1. Difference between GitHub and BitBucket?
2. Use of git commit and purpose?
3. Difference between rebasing and merging?
4. Maven repositories?
5. About pom.xml?
6. Dependencies in pom.xml? what dependency have you used in your project?
7. Jenkins workflow?
8. How to build a job in Jenkins by using git and maven?

9. What is the use of maven in Jenkins?
10. Where did you find an error in Jenkins?
11. Where can you find the particular error in logs?
12. Difference between Vagrant and AWS?
13. Use of AMI?
14. Purpose and use of s3?
15. What is CI/CD?
16. What are the modules you have used in Ansible?
17. Location and configuration file in Ansible?



18. Docker purpose and usage?

19. The flow of SonarQube? why do we use it?

20. What is the use of quality gates in sonarqube?

21. Suppose we give 30 % quality I want you to define in quality gates.

22. What is the use of the Jira tool?

23. As a DevOps engineer why do we use Jira Tool?

24. Why do we use a pipeline in Jenkins? Flow?

25. What is Release management due to production?

SAP Labs



1. #chmod 444 <filename.txt?> in root user? Change the above permissions to 777.
2. #curl www.google.com is not working and telnet www.google.com is working now?
3. I have two instances in public and private subnets, I am pinged from one server to another server and getting any response but by using telnet<ip> on port 23 it's working now.
4. What is SSL? And how does it work internally?
5. My web servers are running in private subnets I want to route my ELB Traffic to web servers in private subnets.
6. What is NAT Instance/NAT Gateway?
7. Why is SG?
8. Mostly asked on networking, ports, and protocols

SoftwareAG



1. Why Terraform? why not others?
2. Daily roles and responsibilities?
3. Can Terraform be used for another cloud provisioning?
4. If my RDS is running out of space how will you resolve that without launching another RDS?
5. What is Lambda and how it works?
6. How will you take backups using Lambda?
7. What are soft links and hard links?
8. What is inode?
9. What is unmask? Where would you set it so that it affects all users?
10. How can you fix “chmod -x /usr/bin/chmod”?
11. How would you find all files by user “array” that are older than 10 days, a third word of the filename is “L”?
12. What are the 3 standard streams in Linux can you redirect them?

13. How would you make a bash script print verbose/p so you can debug it?

14. Write a simple script that calls with “Foo” prints “bar” and when called with “bar” prints “foo”. Every other option should print “Try again”?

15. How do you delete a file named “*”?

16. What is ARP? What does it do?

17. What is Nat? Uses?

18. What are VLANs & uses?

19. What is VPN & Uses?

20. Types of storage in AWS?

21. Difference between S3 & Glacier?

22. Components of VPC?

23. Difference between EC2 and ECS?

24. What is DNS? Uses?

25. What are TCP & UDP and the difference between them?

26. Why you won't go with EC2 for installing a Database? Why RDS?

Others MNC Questions

1. What is AWS?
2. What is a cloud?
3. What is EC2?
4. What is VPC?
5. What is AZ?
6. What is ELB?
7. What is VPC peering?
8. What is the aim of VPC peering?
9. Why use VPC peering, real-time example?
10. What is SG?
11. What is cloud front/CDN?
12. What is a lambda, what is the use of it?

13. What have you developed using Lambda?
14. What automation have you done with lambda?
15. What is cloud watch?
16. What is cloud formation?
17. What is DevOps?
18. What are Agile and waterfall methods?
19. What tools does DevOps contain?
20. What is the git lifecycle?
21. What is build? Explain technically.
22. What is automation in DevOps?
23. What is CI/CD?
24. What are the stages in Jenkins?
25. Is Only Jenkins enough for automation?
26. Where will the application be?

27. Difference between NaCl and SG?
28. S3 lifecycle?
29. What is the use of the IAM role?
30. How many subnets are assigned to the routing table?
31. What is the static IP?
32. How will get access to private subnets?
33. Can you increase the size of the root volume without shutting down the instance?
34. Df -h?
35. What is ELB? How many types are there?
36. What is autoscaling?
37. What is the hosted zone and uses of the recordset?
38. Types in R53?
39. How will take up backup for volumes?
40. How to encrypt the root volume?

- 41. How will access AS account?
- 42. What is the subnet group in DB?
- 43. How do you connect to Windows instances?
- 44. Port numbers of RDP, SSH, and HTTPS?
- 45. What is the difference between EBS, S3, and EFS?
- 46. What type of data do you store in s3 and EBS?
- 47. Replication s3?
- 48. Why use events in Cloud Watch in AWS?
- 49. What is the difference between VPC-level security and system level security?
- 50. If you lost the pem file then how will you connect to EC2?

COGNIZANT



1. What is IAM's Role and policy?
2. What is the Terraform plan?
3. What is lambda?
4. How will run lambda and where you will configure lambda?
5. How does lambda run on secluding and event-based?
6. What is cloud watch? Have you configured any custom metrics?
7. What are the metrics available on your dashboard?
8. How do you configure CPU Utilization on your dashboard?

9. How can I attach SSL for the s3 bucket?
10. What type of encryption have you done in your project?
11. S3 bucket having a policy for only read-only but you're having full access for you? Can you modify s3 objects?
12. Why are you using Terraform? Why not boto3?
13. What is CDN?
14. Have created a Jenkins pipeline?
15. How will attach policy for IAM users by group or individual?
16. What type of deployments you're using in the project?
17. Have you used any tools for creating customized AMIS?
18. What is connection draining?
19. How does your ELB share traffic?
20. What is auto-scaling?
21. Types of Load Balancers and examples?
22. What is the run time of Lambda?

23. What is the memory size of lambda?
24. How can I run lambda for more time?
25. By using lambda what are automation you performing in your project?
26. Why you're not using boto3 for infrastructure provisioning?
27. What are the modules you used in Lambda?
28. Have created an SNS topic?
29. In your VPC all IPS are finished you require resources how to provision it?
30. What is groovy?
31. Why do we go for Groovy in Jenkins and where do you save Jenkins files?
32. What is Ansible? Why is it used?
33. Which language did you use in Ansible?
34. Where will you run the Terraform code on the remote or local machine?

35. What are the access key and secret key?
36. What are the Terraform modules? Have used any modules in the project?
37. What are the environments in your project?
38. Have you used the same account for all environments?
39. For every environment do you have different Jenkins servers?
40. Where do you write and save lambda code?



1. Yours and responsibilities?
2. Can tell me what issues you faced in your project? How do you resolve it and how do you come to know the issues?

3. To what extent your project is automated?
4. Where did save all application logs?
5. Jenkins full flow?
6. Explain to me how you take backups for RDS.
7. What are the playbooks you have written?
8. From where do you run Terraform?
9. How many environments are you maintaining?
10. Do you know python?
11. Do you have any knowledge of setting up a BigData cluster?
12. Tell about are metrics in the dashboard.
13. How does auto-scaling work?
14. What type of ELB did you use in the project?
15. How many servers are there in your production and location?
16. Are you only using cloud watch for monitoring?

17. Did you get any awards?

18. What are the daily activities?

19. What is the build trigger?

20. What is POLL SCM?

21. Did you use only SonarQube for static code analysis?

22. What are the plugins used in the project?

HARMAN



1. Tell about yourself.
2. What is Lambda?
3. How does it work?
4. I want to run my job today at 5 pm how do you configure it?
5. Write Terraform code for an S3 bucket and attach a policy.
6. Explain Jenkins CI/CD?

7. What I am policy?
8. Write a Terraform code for EC2?
9. Explain about GIT Branching in your project.
10. Write a sample playbook.
11. What are the ansible modules?
12. Have used any pre-defined modules in your project?
13. Write a sample boto3 script.
14. What type of deployments do you follow in your project?



1. Tell about yourself.
2. Difference between Classic ELB and Application ELB?
3. Git branching Structure?

4. Why ansible?
5. What is autoscaling?
6. How do resolve production issues?
7. What is the launch configuration?
8. Different types of storage in S3?
9. Difference between EBS and NFS?
10. What are Glacier and Snowball?
11. Where do you check build logs in Jenkins?
12. What is CROS in s3?
13. What has required one resource it was to communicate with other resources?
14. Tell me about your project.
15. How many builds do you do daily?