

# DevOps Most Useful Real Time Interview Questions

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1. Introduce me yourself?
2. What are the roles and responsibilities?
3. What is RCA report? How you prepared? What things we need to consider to create RCA report
4. You are the team leader and managing teams. You got escalation from client for any service issues so how to handle it
5. What major challenge you faced in your role and how you handle it
6. Why organizations are implementing DevOps?
7. Let's say you got one task in Jira, to complete that task what things you need and from where you can collect it before implementing that
8. Explain me Production release process
9. If my changes working fine on dev and test env but not working on prod. What could be the issues and how to fix it?
10. What is the best way to design 3-tier architecture, which services included and how to select services to design it.
11. What is the strategies for infra cost optimization, what actions you will take to reduce infra cost?
12. How auto scaling works? Is it possible to change AMI in auto scaling group?
13. Let's say if someone created resources in AWS or delete something, how to get that details like which user done what action in AWS? Which AWS service can help to find out these details?
14. What is the difference between Latency Based Routing and Geo DNS?
15. What is the difference between a Domain and a Hosted Zone?
16. When we create VPC, what components will create by default.
17. How to recover cloud formation stack if it's stuck in create in progress or failed status
18. What is the use case of AWS config service?
19. How to track AWS cloud service changes
20. What is the use of DynamoDB?
21. If you want to give someone temporary access for like 1 hrs. or something then how to give it, how to configure that.

22. What is the different between AWS managed policy and customer managed policy
23. How to handle large traffic in application load balancer
24. Let's say, you have got notification from AWS, like someone get access to your account or your account has been compromised.
  - Someone exposed your credentials. What action immediately you will take to secure account.
25. If by mistaken database administrator deleted any chunks of data records from database, how to recover that.
  - Let's say deleted tables or any records from particular tables
26. How to migrate large data from one s3 bucket to another s3 bucket
27. I need one ec2 instance only for 1 hr. daily basis, so which instance types or options you will choose to give me daily basis.
28. How load balancer works? What are the algorithm?
29. What is the control tower and landing zone?
30. How to check server logs
31. If server performance suddenly slow, what steps or action we need to follow to resolve this issue.
32. Let's say you have Linux machine and it has 20 GB storage. But it's got full all space has been used by log file
  - You have deleted log files but still disk space showing full. How to fix that.
33. How to check installed service running on which port by using command
34. I am not able to login my EC2 machine, how to check what could the reason and how to fix it.
35. What is the best git branching strategy?
36. Git Commands
37. How to resolve git merge conflicts?
38. Explain Git troubleshooting's
39. Differences between Git rebase and Git merge?
40. If there is suddenly the file is deleted in Git and how do you get it back?
41. Differences between git pull and git fetch
42. What is difference between git and GitHub?
43. What are some of the key benefits of using Git for version control?
44. What is webhook?
45. What is difference between free style project and declarative pipeline?

46. What is multi stage deployment?
47. How to check deployment logs
48. If my deployment gets failed how to check logs and how to fix it
49. If my Jenkins server crashed then how to recover it
50. What is Jenkins master slave architecture?
51. What is the use of Jenkins slave server?
52. How to maintain Jenkins failover or high availability
53. How to secure credentials in Jenkins pipeline
54. How to rollback deployment in Jenkins
55. Steps to create free style project and declarative pipeline
56. How to integrate SonarQube in Jenkins
57. What is poll scm?
58. How do you create a backup of Jenkins?
59. How to integrate AWS with Jenkins
60. Explain Docker file and how it works
61. Explain any 5 Docker commands
62. Explain end to end process to build image and push into registry
63. Explain about COPY and ADD commands
64. Explain Docker file structure
65. What is the Docker file format we need to save it
66. Explain k8s architecture
67. Why kubernetes called as k8s
68. Explain complete end to end process to create eks cluster in AWS EKS
69. What is pod, how many containers we can run in single pods, any limitations?
70. Explain me complete end to end process how we can deploy pods in eks cluster
71. What is helm?
72. Any major troubleshooting's you have done in k8s
73. Post deployment what action we need to perform
74. How to rollback last stable version if any prod deployment failed due or application not working post deployment
75. What is the daemon set?
76. Difference between replica set and deployment
77. If pods not coming online post deployment, how to fix that, what steps we can execute to fix it

78. How to export pod logs to Cloud Watch or Grafana
79. How to monitor Pods in monitoring tools like Grafana or Prometheus
80. Explain end to end deployment cycle
81. What is CI and CD?
82. In Jenkins if we want to deploy particular jobs from slave server then where we can make that changes
83. If you got the requirement for migrate data center Server to AWS, then how you can plan for it
84. How to migrate on prem data center database to AWS RDS
85. What action you will take if migration is completed for database but post migration you are getting data mis match issues
86. Explain types of migration
87. How to migrate very large data like peta byte from on prem to AWS
88. How to avoid major downtime during migration from on prem to aws
89. How to handle application traffic worldwide to make application performance better
90. How to secure s3 bucket
91. How to reduce cost for AWS infrastructure?
92. What is difference between reserve instance and saving plan? Which one is better
93. How to save cost for Lambda functions, what is power tuning
94. How to save cost for lower environment like dev and test infrastructure
95. What is the AWS 6 pillars and why every architecture should follow it
96. What is terraform and why we should use it
97. Any limitation in terraform
98. Difference between Ansible & Terraform
99. Let's say I have created resources like EC2, S3 bucket and lambda function by using Terraform in AWS

But when I am going to create other services like RDS or Cloud front one of my lambda function got deleted.

What could be the reason and how to fix that?

100. How to secure resources while creating it by using Terraform.

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