

AWS Cloud Practitioner Interview Questions (0-2 Years Experience)

Cloud Concepts (10 Questions):

1. What are the three main service models offered by cloud computing providers (IaaS, PaaS, SaaS)? Briefly explain each.
2. Define the term "cloud elasticity" and how it benefits businesses.
3. What are the advantages and disadvantages of migrating to the cloud?
4. What is the difference between a public cloud, private cloud, and hybrid cloud?
5. What are some of the security considerations when using cloud computing?
6. What is AWS and what are some of its core services?
7. What is the AWS Shared Responsibility Model?
8. What are the benefits of using AWS for disaster recovery?
9. Explain the concept of pay-as-you-go pricing in the cloud.
10. How can businesses leverage the scalability of cloud resources?

AWS Services (20 Questions):

11. Briefly describe the purpose of Amazon EC2 (Elastic Compute Cloud).
12. What are the different instance types available in EC2?
13. What is Amazon S3 (Simple Storage Service) used for?
14. Explain the difference between object storage (S3) and block storage (EBS).
15. How can you ensure data security in Amazon S3?
16. What is Amazon VPC (Virtual Private Cloud) and what are its benefits?
17. Describe the function of Amazon IAM (Identity and Access Management).
18. How can IAM be used to control access to AWS resources?
19. What is Amazon Route 53 and what role does it play?
20. Briefly explain Amazon CloudFront and its use case.
21. What is Amazon Lambda and what are its advantages?
22. How can Amazon SQS (Simple Queue Service) be used in serverless applications?
23. Describe the purpose of Amazon DynamoDB, a NoSQL database service.
24. What is Amazon RDS (Relational Database Service) used for?
25. Explain Amazon CloudWatch and its functionalities.
26. How can Amazon CloudTrail help with AWS resource monitoring?
27. Briefly describe Amazon CloudFormation for infrastructure provisioning.
28. What is Amazon Cognito used for in AWS?
29. How can Amazon Kinesis be used for real-time data processing?
30. Briefly explain Amazon Redshift, a data warehouse service.

Security and Cost Management (10 Questions):

31. What are some best practices for securing your AWS account?
32. How can IAM policies be used to enforce least privilege access?
33. Explain the concept of Security Groups in VPC.
34. What is AWS CloudTrail and how does it contribute to security?
35. Describe the AWS Trusted Advisor tool and its benefits.
36. Explain the concept of Reserved Instances in EC2 for cost optimization.
37. How can AWS Spot Instances be used to reduce compute costs?
38. What are some strategies for managing costs in AWS?
39. Describe the AWS Billing and Cost Management service.

40. How can AWS Budgets help you control cloud spending?

AWS Pricing and Support (5 Questions):

- 41. Briefly explain the different pricing models offered by AWS (e.g., On-Demand, Reserved Instances, Spot Instances).
- 42. What is the AWS Free Tier and what resources does it include?
- 43. How can you access technical support from AWS?
- 44. What resources are available for learning more about AWS services?
- 45. Briefly describe the different AWS Certifications available.

Bonus Questions (5 Questions):

- 46. What are some of the emerging trends in cloud computing?
- 47. How can AWS be used to build and deploy machine learning applications?
- 48. Briefly explain the concept of serverless computing and its benefits.
- 49. Describe the role of DevOps in cloud deployments.
- 50. How can an understanding of cloud computing be beneficial in your current or future role?