

AWS

1. Explain On-Demand and Spot instances.
2. What is AMI?
3. What is ARN?
4. How would you create a scalable and affordable application using serverless computing?
5. You're working on a project that necessitates high availability and fault tolerance. How would you construct the AWS infrastructure to fulfill these objectives? Draw an architecture diagram.
6. You've been tasked with lowering the cost of AWS infrastructure. What steps would you take to find cost-cutting opportunities and cut costs?
7. In VPC with private and public subnets, database servers should ideally be launched into which subnet?
8. What are Edge locations?
9. What is Subnet?
10. Explain peering.
11. You have a VPC with a public subnet and a private subnet. Instances in the private subnet need to access the internet for software updates. How would you allow internet access for instances in the private subnet?
12. What is the difference between NACL and Security groups ? Explain with a use case ?
13. How does AWS IAM support Identity federation?
14. How do you apply an additional layer of authentication for your AWS users?
15. What is the default VPC?
16. What is the Amazon S3 glacier?
17. What is IaC ?
18. You are deploying a load balancer which should handle HTTP requests. Which one would you choose?
19. You are hosting a web application. Your management expects a potential traffic increase. What would you do to meet this demand?
20. If you want your application to receive Https requests, how would you configure security on your VPC?
21. What is a Mainframe?
22. What are reserved instances?
23. When management asks you to manage monthly AWS costs under 100 USD per month, what would you do?
24. Write a simple command for creating an EC2 instance.

25. What would be the AWS certification which a beginner could take to understand AWS services and offerings?
26. What is version control?
27. What determines the SLA between your AWS account and AWS cloud provider?
28. Compare Availability zones and Regions.
29. How do you write a custom IAM policy?
30. Explain CloudFront.