

1. AWS Amplify

2. Yes

3. No

4. Yes

5. HTTP and AWS

6. Yes

7. Yes

8. 1. Aurora, 2. Amazon RDS in VPC, 3. ECS/EKS/Fargate

9. Yes

10. ScheduledActions process performs scheduled scaling actions.

11. Yes

12. It handles read traffic and replicates data from the Writer instance or another Reader instance.

13. You can use Stack Outputs in AWS CloudFormation by adding an Output resource to the stack's CloudFormation template and specifying the value you want to output.

14. 12 hours

15. Yes, it is possible via resource import.

16. us-east-1

17. No

18. At least 2, located in 2 different availability zones.

19. Commit refers to the changes made to a local Git repository, while push is the process of sending those changes to a remote repository.

20. In AWS CodeDeploy, a rollback can be performed by creating a new deployment that targets the deployment group and the previous deployment revision.

21. Yes, you can use parameters such as `DEPLOYMENT_GROUP_NAME` and add logic to the deployment script to perform different steps in dev, test, and prod environments.

22. 1. AWS CLI key ID, 2. Secret Access key, 3. IAM user ARN, 4. Region

23. BlockTraffic: This deployment lifecycle event blocks internet traffic from accessing instances that are currently serving traffic.

24. 1

25. 1. The version of Lambda to deploy, 2. The Lambda functions to be used as validation tests

26. No, only Lambda functions can be used.

27. A stage in AWS CodePipeline is a phase of the release process, such as building, testing, or deploying your code.

28. A deployment group is a set of targets for deployment, such as Amazon EC2 instances, AWS Lambda functions, and on-premises servers.

29. AWS Config

30. An action that is taken when an alarm is triggered, such as sending a notification, triggering an event on an ASG, or executing a Lambda function.

31. 1. OK, 2. Alarm, 3. Insufficient Data

32. FALSE

33. No

34. Reducing network costs, increasing bandwidth throughput, and providing a more consistent network experience.

35. DynamoDB is a NoSQL database, while Amazon RDS is a SQL database.

36. 125 MB/s

37. Create AMI image with all software packages preinsyalled and preconfigured

38. The "t,m" types are general purpose instances with a balance of CPU, memory, and storage.

39. A Dedicated Instance is an EC2 instance that runs on hardware that is dedicated to a single customer.

40. 1. Lowest price, 2. Diversified, 3. Capacity optimized

41. docker pull <registry-url>/<repository-name>:<tag>

42. No

43. AWS Elastic Container Service (ECS) is a service that allows you to run Docker containers on a scalable and highly available cluster of EC2 instances or AWS managed infrastructure.

44. CW Container Insights is a service that allows you to collect, aggregate, and summarize metrics and logs from your containerized applications and microservices.

45. Fargate

46. In EKS, Kubernetes ingress objects expose HTTP/S routes from outside the cluster to your services and define traffic rules. This can help reduce the number of load balancers needed.

47. eb init

```
48. eb setenv ENABLE_COOL_NEW_FEATURE=true
```


49. TRUE

50. No

51. Yes

52. TRUE

53. Yes, Direct Connect or VPN is needed.

54. AWS Global Accelerator provides a static IP as a fixed entry point and routes traffic to the optimal endpoint.

55. Yes

56. A cross-account IAM role is an IAM role that grants permissions to entities in a different AWS account.

57. The priority order of deny/allow rules in IAM is: 1. Explicit deny, 2. Explicit allow, 3. Implicit deny.

58. IAM policy provides permissions for individual AWS identities, while an IAM group policy provides permissions for a collection of IAM users.

59. The purpose of IAM Access Analyzer is to identify resources that are shared with external principals, validate IAM policies, and generate IAM policies.

60. Yes, you can use it as a storage for container images.

61. Metrics in Amazon Lookout for Metrics are a combination of measures and dimensions.

62. Yes

63. No

64. Data ingestion rate, data processing rate, and stream latency.

65. The Kinesis Client Library (KCL) is a set of libraries that enables developers to build robust, scalable, and fault-tolerant consumer applications.

66. Kinesis Producer Library (KPL) is used for writing data to a stream, and Kinesis Client Library (KCL) is used for reading data from a stream.

67. The AWS KMS Key Policy is a JSON policy document that defines permissions and access control rules for CMK.

68. Yes, you can encrypt the unencrypted S3 object in place without the need for taking a snapshot or backup.

69. A centralized place to store structured and unstructured data.

70. A software stack that is used to run your code. For example: python 3.7, python 3.9

71. 1. Extension init, 2. Runtime init, 3. Function init

72. It is running on servers.

73. EFS

74. No, one firewall = one policy

75. OpenSearch is a community-driven, open-source project based on Elasticsearch, but it includes additional features and enhancements.

76. Accessing AWS services without traversing the public internet.

77. No

78. It selects its membership based on a query that specifies a list of resources and their tags.

79. Governance mode refers to the special permissions that can be granted allowing lock settings to be changed. Use case: to prevent accidental deletion.

80. Objects can be defined at the bucket level, prefix filter level, or object filter level.

81. Yes

82. The two types of actions in S3 Lifecycle Rules are transition actions and expiration actions.

83. TRUE

84. Java, Python, .NET, Node.js, Go, PHP

85. No

86. View detailed information about the software and patches installed on your instances.

87. A parameter that is widely used by AWS customers, such as the AMI ID or regional endpoint for an AWS service.

88. AmazonCloudWatch-ManagedAgent

89. AWS-UbuntuDefaultPatchBaseline

90. 5 minutes

91. No, that part of S3 is managed by AWS and is only visible in the Storage Gateway console.

92. An AWS session token is a temporary security token issued by STS. It is used to access AWS resources for a limited period of time.

93. It is a cloud-based speech-to-text service, in contrast to AWS Polly which is a text-to-speech service.

94. If the VPC supports assigning public DNS hostnames to instances with a public IP.

95. The rule with the number "*" is evaluated last in NACL.

96. The VPC Gateway Endpoint creates a route in your route table that directs traffic destined for the S3 or DynamoDB service to a VPC endpoint gateway.

97. 5 (There is a soft limit, which can be increased)

98. Yes

99. CloudFront, ALB, API Gateway, App Runner, ...