

AWS Cloud Practitioner Review Questions 1

1. What is the key cost advantage of moving to AWS Cloud?
 - a. Many services are free
 - b. You can provision what you need and scale on demand
 - c. You can deploy services using an API
 - d. You can scale almost limitlessly

Answer (b) You can provision what you need and scale on demand

2. Which of the following is an advantage of cloud computing?
 - a. Trade capital expense for variable expense
 - b. Trade operational expense for capital expense
 - c. Go global in days
 - d. Outsource all application development

Answer a Trade capital expense for variable expense

3. What is an Availability Zone (AZ) composed of?
 - a. A collection of edge locations
 - b. A collection of VPCs
 - c. One or more data centers in a location
 - d. One or more region

Answer c. One or more data centers in a location

4. What is an AWS Region Composed of?
 - a. Two or more VPC
 - b. Two or more AZ
 - c. At least one AZ
 - d. A collection of EC2 Instances

Answer b. Two or more AZ

5. You ONLY want to manage Applications and Data. Which type of Cloud Computing model should you use?
 - a. On Premise
 - b. IaaS
 - c. PaaS
 - d. SaaS

Answer: c. PaaS

AWS Cloud Practitioner Review Questions 2

6. What is the pricing model of Cloud Computing?

- a. Discounts over time
- b. Pay as you go pricing
- c. Pay once year
- d. Flat rate pricing

Answer: b. Pay as you go pricing

7. Which Global Infrastructure identity is composed of one or more discrete data centers with redundant power, networking, and connectivity, and are used to deploy infrastructure?

- a. Region
- b. Availability Zone
- c. Edge Location

Answer b. Availability Zone

8. Which of the following is NOT one of the Five Characteristics of Cloud Computing?

- a. Rapid elasticity and scalability
- b. Multi Tenancy and Resource Pooling
- c. Dedicated Support Agent to help you deploy application
- d. On demand self service

Answer c. Dedicated Support Agent to help you deploy application

9. Which are the 3 pricing fundamentals of the AWS Cloud?

- a. Compute, Storage, Data Transfer In The Cloud
- b. Compute, Networking, Data Transfer In The Cloud
- c. Compute, Storage, Data Transfer Out Of The Cloud
- d. Compute, Networking, Data Transfer Out Of The Cloud

Answer c. Compute, Storage, Data Transfer Out Of The Cloud

10. Which of the following options is NOT a point of consideration when choosing an AWS Region?

- a. Compliance with data governance
- b. Latency
- c. Pricing
- d. Capacity Availability

Answer d. Capacity Availability

AWS Cloud Practitioner Review Questions 3

11. Which of the following is NOT an advantage of Cloud Computing?

- a. Trade CAPEX for OPEX
- b. Train your employees less
- c. Go global in minutes
- d. Stop spending money and running data centers

Answer b. Train your employee less

12. What is a proper definition of IAM Roles?

- a. An IAM entity that defines a set of permissions for making AWS service requests, that will be used by AWS services
- b. IAM Users in multiple groups
- c. A password policy
- d. Permissions assigned to Users to perform actions

Answer a. An IAM entity that defines a set of permissions for making AWS service requests, that will be used by AWS services

13. Which of the following is an IAM Security Tool?

- a. IAM Credential Report
- b. IAM Root Account Manager
- c. IAM Service Report
- d. IAM Security Advisor

Answer a. IAM Credential Report

14. Which answer is incorrect regarding IAM Users?

- a. IAM Users can belong to multiple groups
- b. IAM Users do not have to belong to a group
- c. IAM Users can have policies assigned to them
- d. IAM Users access AWS with root account credentials

Answer d. IAM Users access AWS with root account credentials

15. Which of the following is an IAM Best Practice?

- a. Do not use the root account
- b. Create a several users for a physical person
- c. Share credentials so a colleague can perform a task for you
- d. Do not enable MFA for easier access

Answer a. Do not use the root user account

16. What are IAM Policies?

- a. AWS Services performable actions
- b. JSON documents to define Users, Groups, or Roles' permissions
- c. Rules to set up a password for IAM Users

Answer b. JSON documents to define Users, Groups, or Roles' permissions

17. Under the shared responsibility model, what is the customer responsible for IAM?

- a. Infrastructure Security
- b. Compliance Validations
- c. Configuration and Vulnerability Analysis
- d. Assigning Users Proper IAM Policies

Answer d. Assigning Users Proper IAM Policies

18. TRUE or FALSE: The AWS CLI can interact with AWS using commands in the command line shell, while the AWS SDK can interact with AWS programmatically.

Answer - TRUE

19. Which principal should you apply regarding IAM Permissions?

- a. Grant most privilege
- b. Grant least privilege
- c. Grant permissions if your employees asks you to
- d. Restrict root account permissions

Answer b. Grant least privilege

20. What should you do to increase your root account security?

- a. Enable MFA
- b. Remove permissions from the root account
- c. Use AWS only through the CLI

Answer a. Enable MFA

21. An access key ID and secret access key is associated with which IAM entity?

- a. User
- b. Group
- c. Role
- d. Policy

Answer a. User

22. What is the main credential for an AWS root account?
- a. Admin
 - b. Root
 - c. Email address used to create the account
 - d. The account number

Answer c. Email address used to create the account

23. Which IAM entity can be used to delegate permissions?
- a. User
 - b. Group
 - c. Role
 - d. Policy

Answer c. Role

24. By default, users are created with what kind of permissions?
- a. Full permissions
 - b. No permissions
 - c. Minimal Permissions
 - d. No access to the AWS management console

Answer b. No permissions

25. What is the benefit of Amazon EC2 compared to traditional servers?
- a. You can use specialized hardware
 - b. You have more control over the OS
 - c. You can scale elastically within minutes
 - d. You get more compute power in the cloud

Answer c. You can scale elastically within minutes

26. How can you run commands on an Amazon EC2 instance at launch time?
- a. With metadata
 - b. With user data
 - c. With a container
 - d. With a snapshot

Answer b. With user data

AWS Cloud Practitioner Review Questions 6

27. Which EC2 Purchasing Option can provide the biggest discount, but is not suitable for critical jobs or databases?
- a. Reserved Instances
 - b. Convertible Instances
 - c. Dedicated Hosts
 - d. Spot Instances

Answer d. Spot Instances

28. Which network security tool can you use to control traffic in and out of EC2 Instances?
- a. Network Access Control List (NACL)
 - b. Identity and Management Access (IAM)
 - c. GuardDuty
 - d. Security Groups

Answer d. Security Groups

29. Under the Shared Responsibility Model, who is responsible for OS patches and updates on EC2 Instances?
- a. The customer
 - b. AWS
 - c. Both AWS and customer

Answer a. The customer

30. How long can you reserve an EC2 Reserved Instance
- a. 1 or 3 years
 - b. 2 or 4 years
 - c. 6 months or 1 year
 - d. Anytime between 1 and 3 years

Answer a. 1 or 3 years

31. A company would like to deploy a high performance computing application on EC2. Which EC2 instance type should it choose?
- a. Storage Optimized
 - b. Compute Optimized
 - c. Memory Optimized
 - d. General Purpose

Answer b. Compute Optimized

32. Which of the following is NOT an EC2 Instance Purchasing Option?
- a. Spot Instance
 - b. Reserved Instance
 - c. On demand Instance
 - d. Connect Instances

Answer d. Connect Instances

33. Which EC2 Purchasing Option should you use for an application you plan on running on a server continuously for 1 year?
- a. Spot Instances
 - b. Convertible Instances
 - c. Reserved Instances
 - d. On demand Instances

Answer c. Reserved Instances

34. Amazon Elastic Block Store (EBS) volumes are stored within the construct?
- a. A region
 - b. An edge location
 - c. A snapshot
 - d. An availability zone

Answer d. Availability Zone

35. By default, what will happen to root EBS root volume when the Amazon EC2 instance is terminated?
- a. It will be deleted
 - b. It will be retained
 - c. A snapshot will be retained
 - d. An AMI will be created

Answer a. It will be deleted

36. Which Amazon Machine Image can be used to mount an Amazon Elastic File System file system?
- a. Microsoft Windows Server 2019 w Containers
 - b. Microsoft Windows Server 2016 Core
 - c. Amazon Linux 2 AMI
 - d. All of the above

Answer c. Amazon Linux 2 AMI

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37. Which storage device is physically attached to the Amazon EC2 host servers?

- a. Amazon Elastic Block Store (EBS) Volume
- b. Amazon Machine Image (AMI)
- c. Instance Store volume
- d. Elastic Network Adapter

Answer c. Instance Store Volume

38. Which EC2 Storage would you use to create a shared network file system for your EC2 Instances?

- a. EBS Volume
- b. EC2 Instance Store
- c. EBS Snapshot
- d. EFS

Answer d. EFS

39. Which of the following is a fully managed native Microsoft Windows file system?

- a. EFS
- b. FSx
- c. EBS

Answer b. FSx

40. What are AMIs NOT used for?

- a. Add your own software license
- b. Add your own configuration
- c. Add your own OS
- d. Add your own IP addresses

Answer d. Add your own IP address

41. TRUE or FALSE: EBS Volumes CANNOT be attached to multiple EC2 instances at a time.

Answer: TRUE

42. TRUE or FALSE: An EBS Volume is a network drive to attach instances while they run so the instances data persist even after termination

Answer: TRUE

43. Which statement is CORRECT regarding EC2 Instance Store?

- a. It is not good to use as a disk to cache content
- b. It has a better I/O performance, but the data is lost if the EC2 Instance is terminated
- c. Your data is always safe with EC2 Instance Store

Answer b. It has a better I/O performance but the data is lost if the EC2 Instance is terminated

44. What is an EBS Snapshot?

- a. The OS on an EC2 Instance
- b. A backup of your EBS Volume at a point in time
- c. The amount of CPU and RAM of an EC2 Instance

Answer b. A backup of your EBS volume at a point in time

45. Where can you find a third party's AMI so you can use it to launch your EC2 Instance?

- a. Public AMI
- b. My own AMIs
- c. AWS Marketplace AMIs

Answer c. AWS Marketplace AMIs

46. Where are objects stored in Amazon S3?

- a. Folders
- b. Buckets
- c. Files
- d. Bin

Answer b. Buckets

47. What are Objects NOT composed of?

- a. Key
- b. Value
- c. Access Keys
- d. Metadata

Answer c. Access Keys

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48. Which S3 Storage Class is suitable for less frequently accessed data, but with rapid access when needed, while keeping a high durability and allowing an Availability Zone failure?
- a. Amazon S3 Standard - General Purpose
 - b. Amazon Glacier
 - c. Amazon S3 One Zone - Infrequent Access
 - d. Amazon S3 Standard Infrequent Access

Answer d. Amazon S3 Standard Infrequent Access

49. Which S3 Storage Class is the most cost-effective for archiving data with no retrieval time requirement?
- a. Amazon Glacier
 - b. Amazon Glacier Deep Archive
 - c. Amazon S3 Standard Infrequent Access
 - d. Amazon S3 Intelligent Tiering

Answer b. Amazon Glacier Deep Archive

50. What can you use to define actions to move S3 objects between different storage classes?
- a. Scaling Policy
 - b. Bucket Policies
 - c. Lifecycle Rules
 - d. Replication

Answer c. Lifecycle Rules

51. Which of the following services is a petabyte-scale data moving service (as a fleet) in or out of AWS with computing capabilities?
- a. Snowcone
 - b. Snowball Edge
 - c. Snowmobile

Answer b. Snowball Edge

52. What is the most cost effective storage tier for data that is not often accessed, will be retained for 7 years, and needs to be retrievable within 24 hours?
- a. Amazon S3 Standard
 - b. Amazon S3 Glacier
 - c. Amazon S3 Standard Infrequent Access
 - d. Amazon S3 Glacier Deep Archive

Answer d. Amazon S3 Glacier Deep Archive

53. Which storage classes are available for the Amazon Elastic File System?
- a. Standard, Provisioned Throughput
 - b. Standard, Deep Archive
 - c. Standard, Infrequent Access Storage
 - d. Standard One Zone IA

Answer c. Standard, Infrequent Access Storage

54. Amazon S3 is an example of what type of storage system?
- a. Object
 - b. Block
 - c. File
 - d. Hybrid

Answer a. Object

55. With Amazon S3, objects are stored in which type of root level container?
- a. A folder
 - b. A file system
 - c. A bucket
 - d. A region

Answer c. A bucket

56. Amazon Relational Database Service (RDS) is an example of what type of database?
- a. Online Transactional Processing (OLTP)
 - b. Online Analytics Processing (OLAP)
 - c. No SQL
 - d. Data warehouse

Answer a. Online Transactional Processing (OLTP)

57. Which AWS database service offers seamless horizontal scaling?

- a. Amazon RDS
- b. Amazon Redshift
- c. Amazon DynamoDB
- d. Database on Amazon EC2

Answer c. Amazon DynamoDB

58. How can fault tolerance be added to an Amazon RDS database?

- a. Using read replica
- b. Using Multi-AZ
- c. Using Global Replicas
- d. Using EBS snapshot

Answer b. Using Multi-AZ

59. How can an organization enable microsecond latency for DynamoDB database?

- a. Using Amazon ElastiCache
- b. Using DynamoDB Auto Scaling
- c. Using Read Replicas
- d. Using DynamoDB Accelerator (DAX)

Answer d. Using DynamoDB Accelerator (DAX)

60. Which AWS database service is a relational, data warehouse?

- a. Amazon Redshift
- b. Amazon RDS Aurora
- c. Amazon Dynamo DB
- d. Amazon ElastiCache

Answer a. Amazon Redshift

61. Why might an organization decide to move an on-premise database to Amazon RDS?

- a. To reduce operational overhead
- b. To increase flexibility
- c. To eliminate the need to patch management
- d. To benefit from seamlessly

Answer a. To reduce operational overhead

62. How do you increase the capacity of an Amazon RDS database?

- a. Scaling horizontally by adding instances
- b. Scaling horizontally by adding RCUs/WCUs
- c. Scaling vertically by changing instance types
- d. Scaling vertically by adding CPUs

Answer c. Scaling vertically by changing instance types

63. Amazon DynamoDB is good for which use case?

- a. Structured data, rigid schema
- b. Unstructured data, flexible schema

Answer b. Unstructured data, flexible schema

64. You want to create a decentralized block chain on AWS. Which AWS Service would you use?

- a. Document DB
- b. QLDB
- c. Managed Block Chain
- d. QuickSight

Answer c. Managed Block Chain

65. Which AWS database is a data warehouse?

- a. DynamoDB
- b. ElastiCache
- c. Redshift
- d. RDS

Answer c. Redshift

66. Which AWS service is always serverless and has SQL capabilities?

- a. RDS
- b. DynamoDB
- c. Athena
- d. Aurora

Answer c. Athena

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67. You would like to use a serverless service to prepare data so it can be loaded for analytics. Which service would you use?
- a. Athena
 - b. Glue
 - c. ElastiCache
 - d. RDS

Answer b. Glue

68. Which relational database is a proprietary technology from AWS and is cloud optimized?
- a. DynamoDB
 - b. Oracle
 - c. Athena
 - d. Aurora

Answer d. Aurora

69. You would like to migrate databases to AWS while still being able to use the database during migration. What service allows you to do this?
- a. Elastic MapReduce (EMR)
 - b. Database Migration Service (DMS)
 - c. AWS Storage Gateway
 - d. Snowball

Answer b. Database Migration Service

70. How can you create Hadoop cluster to analyze and process a vast amount of data?
- a. EMR
 - b. Athena
 - c. EC2 Instance
 - d. Redshift

Answer a. EMR

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71. Which in-memory AWS database can you use to reduce the load off databases and has high performance, low latency?
- a. Redshift
 - b. ElasticCache
 - c. RDS
 - d. DynamoDB

Answer: c. ElasticCache

72. What is the name of a central repository to store structural and operational metadata for data assets in AWS Glue?
- a. Glue Data Table
 - b. Glue Data Dictionary
 - c. Glue Data Catalog

Answer c. Glue Data Catalog

73. Which of the following databases is a managed service with SQL capability suited for Online Transaction Processing (OLTP)?
- a. DynamoDB
 - b. Redshift
 - c. MySQL on EC2
 - d. RDS

Answer d. RDS

74. Which AWS service is an immutable ledger database?
- a. QLDB
 - b. EMR
 - c. Managed Blockchain
 - d. Inspector

Answer a. QLDB

75. You would like to set up a NoSQL database that can scale with no downtime and can handle millions of requests per second. Which AWS database is best suited for this work?
- a. DynamoDB
 - b. RDS
 - c. Redshift
 - d. Athena

Answer a. DynamoDB

76. Which AWS Service can create complex graphs for fraud detection?

- a. Redshift
- b. Neptune
- c. QLDB
- d. Glue

Answer b. Neptune

77. Which AWS serverless service can use machine learning powered business intelligence to create interactive dashboards such as business analytics?

- a. QuickSight
- b. Aurora
- c. Athena
- d. Managed Blockchain

Answer a. Quicksight

78. A company would like to set up a fully managed MongoDB database. Which AWS database is best suited for this task?

- a. ElastiCache
- b. RDS
- c. Neptune
- d. DocumentDB

Answer d. DocumentDB

79. Which exclusive DynamoDB feature is an in-memory cache that can improve your performance up to 10x?

- a. ElasticCache
- b. Edge Locations
- c. DynamoDB Accelerator
- d. Snowball Edge

Answer c. DynamoDB Accelerator

80. TRUE or FALSE - RDS deployment's main purpose is high availability while RDS Read Replica main purpose is scalability.

Answer TRUE

81. You would like to launch Docker containers in AWS without worrying about provisioning or managing any infrastructure. The Docker containers will be used to host a heavy workloads to serve different types of requests. Some requests may need up to 30 minutes to be completed. Which AWS service should you use to run Docker containers in a Serverless way and satisfy the requirements?
- a. ECS
 - b. Fargate
 - c. ECR
 - d. Lambda

Answer b. Fargate

82. A complete cloud beginner would like to create a simple application with predictable pricing. What service should this person use?
- a. EC2
 - b. Lambda
 - c. Lightsail
 - d. EasyStart

Answer c. Lightsail

83. What is the name of the software development platform that allows you to run applications the same way, regardless of where they are run?
- a. Dolphin
 - b. Shark
 - c. Docker
 - d. ECS

Answer c. Docker

84. How would you best describe "event-driven" in AWS Lambda?
- a. Happens on a certain day
 - b. Happens at a certain time
 - c. Happens on a regular basis
 - d. Happens when needed

Answer d. Happens when needed

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85. Which AWS service allows you to launch Docker containers on AWS, but requires you to provision and maintain the infrastructure?
- a. ECR
 - b. EC2
 - c. ECS
 - d. Fargate

Answer c. ECS

86. Which of the following statements is an INCORRECT definition of the term “serverless”?
- a. Serverless allows you to deploy functions as a service
 - b. There are no servers
 - c. You do not need to manage servers
 - d. Lambda is the server pioneer

Answer b. There are no servers

87. Which of the following statements is NOT a feature of AWS lambda?
- a. Integration with the whole AWS suite of service
 - b. Virtual Functions
 - c. Automated and continuous scaling
 - d. Definition of a minimum and maximum of EC2 Instances Running

Answer d. Definition of a minimum and maximum of EC2 Instances Running

88. A company needs to run thousands of jobs but would like to NOT manage the compute resource. What service can it use?
- a. ECS
 - b. EC2 Spot Instances
 - c. EC2 Instances
 - d. Batch

Answer d. Batch

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89. Where should you store your private Docker images so they can be run by ECS or Fargate?

- a. Elastic Docker Registry
- b. Elastic Docker File Registry
- c. Elastic Container Registry
- d. Elastic Private Container Registry

Answer c. Elastic Container Registry

90. Which AWS serverless service can be used by developers to create APIs?

- a. ECR
- b. Lambda
- c. API Gateway

Answer c. API Gateway

91. Which AWS managed service allows to automate software deployments to a hybrid mix of EC2 Instances and On-Premises servers?

- a. Code Deploy
- b. CloudFormation
- c. Elastic Beanstalk
- d. CodePipeline

Answer a. CodeDeploy

92. You are a software developer working on a project with your team. You need a secure and reliable version control system to store, share, and collaborate your code with the team. Which AWS service can help the developers?

- a. Code Deploy
- b. Code Commit
- c. Code Pipeline
- d. Elastic Beanstalk

Answer b. CodeCommit

93. You need a unified user interface that gives you visibility, control, and patching capabilities for your EC2 Instances on AWS, as well as for servers running in your on-premises data centers. Which service should you use?
- a. Storage Gateway
 - b. Elastic Beanstalk
 - c. Elastic Container Service
 - d. Systems Manager

Answer d. Systems Manager

94. A developer would like to deploy infrastructure on AWS but only knows python. Which service can assist him?
- a. Software Development Kit
 - b. Cloud Development Kit
 - c. CloudFormation
 - d. CodeBuild

Answer b. Cloud Development Kit

95. Which of the following allows you to deploy any AWS Infrastructure as Code?
- a. Elastic Beanstalk
 - b. CodeDeploy
 - c. CloudFormation
 - d. Systems Manager

Answer c. CloudFormation

96. Which service is referred to as a Platform as a Service (PaaS)?
- a. Elastic Beanstalk
 - b. CodeDeploy
 - c. CloudFormation
 - d. EC2

Answer a. Elastic Beanstalk

97. What is called the declaration of the AWS resource that makes up a stack?

- a. CloudFormation Schema
- b. CloudFormation Diagrams
- c. CloudFormation Templates
- d. CloudFormation Models

Answer c. CloudFormation Templates

98. Which of the following services can a developer use to store code dependencies?

- a. CodeBuild
- b. CodeCommit
- c. CodeDeploy
- d. CodeArtifact

Answer d. CodeArtifact

99. Which serveless can be used to build code and run tests?

- a. CodeBuild
- b. CodeDeploy
- c. CodePipeline
- d. Cloud Development Kit (CDK)

Answer a. CloudBuild

100. TRUE or FALSE - CloudFormation and Elastic Beanstalk are free of use

TRUE

101. Which services does Amazon Route 53 provide?

- a. Domain Registration, DNS, Firewall Protection
- b. Health Checking, DNS, Domain Registration
- c. Health Checking, DNS, IP Routing
- d. Domain Registration, DNS, Content Distribution

Answer b. Health Checking, DNS, Domain Registration

102. In Amazon Route 53, what is the name for the configuration item that holds a collection of records belonging to a domain?
- a. DNS Record
 - b. Alias
 - c. Hosted Zone
 - d. Routing Policy

Answer c. Hosted Zone

103. How can an organization improve performance for users around the world accessing online videos?
- a. Use Amazon Route 53 Failover
 - b. Create an Amazon CloudFront Distribution to host the videos
 - c. Use Amazon S3 Cross Region Replication to distribute the media around the world
 - d. Use Amazon S3 Transfer Acceleration to speed up downloads

Answer b. Create an Amazon CloudFront Distribution to host videos

104. Which services have a Global scope?
- a. Amazon CloudFront, Amazon Route 53, Amazon VPC
 - b. Amazon CloudFront, Amazon Route 53, Amazon Cloudwatch
 - c. AWS Lambda, Amazon CloudFront, Amazon Route 53
 - d. AWS IAM, Amazon CloudFront, Amazon Route 53

Answer d. AWS IAM, Amazon CloudFront, Amazon Route 53

105. Which service has built-in DDoS protection?
- a. Amazon Route 53
 - b. Internet Gateway
 - c. Amazon CloudFront
 - d. AWS Direct Connect

Answer c. Amazon CloudFront

106. Which of the following is used to cache data to bring it closer to end users?
- a. Amazon CloudFront Edge Location
 - b. Amazon CloudFront Distribution
 - c. Amazon CloudFront Origin
 - d. Amazon CloudFront Bucket

Answer a. Amazon CloudFront Edge Location

107. Which type of Origin does Amazon Cloudfront support?
- a. S3 Bucket, EC2 Instance
 - b. S3 Bucket, RDS Database
 - c. EC2 Instance, EFS file system
 - d. EC2 Instance, Auto Scaling Group

Answer a. S3 Bucket, EC2 Instance

108. Which of the following statements is NOT a reason for a global application?
- a. Decreased Latency
 - b. Disaster Recovery
 - c. Scale elastically on demand
 - d. Attack Protection

Answer c. Scale elastically on demand

109. Which Route 53 Routing Policies would you use to route traffic to multiple resources in proportions that you specify?
- a. Simple Routing Policy
 - b. Weighted Routing Policy
 - c. Latency Routing Policy
 - d. Failover Routing Policy

Answer b. Weighted Routing Policy

110. Which service is optimized to deploy ultra-low latency applications to 5G devices?
- a. Wavelength
 - b. Route 53
 - c. CloudFront

Answer a. Wavelength

111. You need to enable fast, easy, and secure transfers of files over long distances on S3. Which service would you use?
- a. AWS Global Accelerator
 - b. S3 Transfer Acceleration
 - c. S3 Cross Region Replication

Answer b. S3 Transfer Acceleration

112. What does AWS CloudFront use to improve read performance?
- a. DDoS Protection
 - b. S3 Bucket Fast Read
 - c. Caching Content in Edge Locations
 - d. Caching Content in Edge Regions

Answer c. Caching Content In Edge Locations

113. Which service can be used to run AWS infrastructure and services on-premises for a hybrid cloud architecture?
- a. CloudFront
 - b. Outposts
 - c. DMS
 - d. Storage Gateway

Answer b. Outposts

114. Which features are available with Route 53?
- a. Health Checks, Auto Scaling, Routing Policy
 - b. Load Balancing, DNS, Domain Registration, Monitoring
 - c. Domain Registration, DNS, Health Checks, DDoS protection
 - d. Domain Registration, DNS, Health Checks, Routing Policy

Answer d. Domain Registration, DNS, Health Checks, Routing Policy

115. With which service does CloudFront integrate to protect against web attacks?
- a. WAF & Shield
 - b. WAF & IAM
 - c. IAM & Shield
 - d. Security Groups & WAF

Answer a. WAF & Shield

116. An application needs to send SMS text messages to customers to notify them of product updates. Which service can be used?
- a. Amazon Step Functions
 - b. Amazon Simple Queue Service
 - c. Amazon Simple Notification Service
 - d. AWS Lambda

Answer c. Amazon Simple Notification Service

117. A company needs to orchestrate several batch processes on AWS. Which serverless service can assist?
- a. Amazon Simple Workflow Service
 - b. Amazon Simple Queue Service
 - c. Amazon EventBridge
 - d. Amazon Step Functions

Answer d. Amazon Step Functions

118. How can a company decouple an application which uses a message oriented API to communicate data between application components?
- a. Create an Amazon SQS queue
 - b. Create an Amazon SNS topic
 - c. Create an AWS Step Function state machine
 - d. Create an Amazon VPC route table

Answer a. Create an Amazon SQS queue

119. How can an application be configured to send a notification to multiple Amazon SQS queues?
- a. Use FIFO
 - b. Use an Amazon SNS topic
 - c. Create an AWS Step Functions state machine

Answer b. Use an Amazon SNS topic

120. A company using Apache ActiveMQ is migrating to the cloud. Which AWS service can it use to easily set up and operate its message brokers in the cloud?
- a. Amazon SQS
 - b. Amazon SNS
 - c. Amazon MQ
 - d. Amazon Kinesis

Answer c. Amazon MQ

121. Which service is a fully managed pub/sub service that makes it easy to set up, operate, and send notifications from the cloud using a push-based system?
- a. SNS
 - b. SQS
 - c. ASG

Answer a. SNS

122. TRUE or FALSE - You can use Kinesis to perform real time analysis from video streams.

TRUE

123. Which principle is applied when using Amazon SQS or SNS?
- a. Scalability
 - b. Automation
 - c. Decouple your applications

Answer c. Decouple your applications

124. Which service allows you to send, store, and receive messages between software components at any volume, without losing messages or requiring other services to be available, using a pull-based system?
- a. SNS
 - b. SQS
 - c. Auto Scaling Group

Answer b. SQS

125. Which service can be used to record information about API activity in the AWS Account?

- a. Amazon Cloudwatch
- b. Amazon CloudTrail

Answer b. Amazon CloudTrail

126. Which service can be used for alerting if the CPU is heavily loaded on an EC2 instance?

- a. Amazon Cloudwatch
- b. Amazon CloudTrail

Answer a. Amazon CloudWatch

127. Does Amazon CloudTrail permanently record all API activity in your account by default?

- a. Yes
- b. No

Answer b. No

128. Which CloudWatch feature would you use to trigger notifications when a metric reaches a threshold you specify?

- a. CloudWatch Events
- b. CloudWatch Logs
- c. CloudWatch Alarms
- d. CloudWatch Triggers

Answer c. CloudWatch Alarms

129. Which AWS service helps developers analyze and debug production as well as distributed application?

- a. CloudWatch
- b. X Ray
- c. Service Health Dashboard
- d. CloudTrail

Answer b. X Ray

130. Which AWS service provides alerts and remediation guidance when AWS is experiencing events that may impact you?
- a. Service Health Dashboard
 - b. CloudWatch
 - c. AWS Health Dashboard
 - d. CloudTrail

Answer c. AWS Health Dashboard

131. You need to set up metrics monitoring for every service in AWS. Which service would you use?
- a. CloudWatch
 - b. CloudTrail
 - c. X Ray
 - d. Personal Health Dashboard

Answer a. CloudWatch

132. Which service allows you to inspect, audit, and record events and API calls made within your AWS account?
- a. X Ray
 - b. CloudWatch
 - c. CloudTrail

Answer c. CloudTrail

133. Which AWS service automatically analyzes code and provides performance recommendations?
- a. X Ray
 - b. CodePipeline
 - c. EventBridge
 - d. CodeGuru

Answer d. CodeGuru

134. How would you describe Amazon CloudWatch Logs?

You can use Amazon CloudWatch Logs to monitor, store, and access your log files from Amazon Elastic Compute Cloud (Amazon EC2) instances, AWS CloudTrail, Route 53, and other sources.

135. If a resource is deleted in AWS, which service should you use to investigate first?

- a. CloudTrail
- b. CloudWatch Logs
- c. CloudWatch Alarms
- d. Personal Health Dashboard

Answer a. Cloud Trail

136. What is the scope of an Amazon VPC?

- a. Data Center
- b. Region
- c. Availability Zone
- d. Subnet

Answer b. Region

137. Which type of firewall operates at the instance level?

- a. A security group
- b. A NACL
- c. A route table
- d. A NAT Gateway

Answer a. Security Group

138. How can an organization create a private hybrid cloud connection between their on-premises data center and the AWS Cloud?

- a. AWS Managed VPN
- b. VPN CloudHub
- c. Software VPN
- d. AWS Direct Connect

Answer d. AWS Direct Connect

139. Which type of public IP address is retained when the instance is stopped?
- a. Public IP Address
 - b. Private IP Address
 - c. Elastic IP address
 - d. Local IP Address

Answer c. Elastic IP Address

140. Which AWS managed network service can be used to enable internet connectivity for EC2 Instances in private subnets?
- a. NAT Instance
 - b. NAT Gateway
 - c. Internet Gateway
 - d. Network ACL

Answer b. NAT Gateway

141. Your private subnets need to connect to the Internet while still remaining private. Which AWS-managed VPC component allows you to do this?
- a. NAT Instances
 - b. Internet Gateway
 - c. Security Groups
 - d. NAT Gateways

Answer d. NAT Gateways

142. TRUE or FALSE - A public subnet is accessible from the Internet while a private subnet is not accessible from the Internet.

Answer TRUE

143. Which type of firewall has both ALLOW and DENY rules and operates at the subnet level?
- a. Network Access Control List (NACL)
 - b. Web Application Firewall (WAF)
 - c. Security Groups
 - d. GuardDuty

Answer a. Network Access Control List (NACL)

144. You would like to connect hundreds of VPCs and your on-premises data centers together. Which AWS service allows you to do link all these together efficiently?
- a. Site to Site VPN
 - b. Transit Gateway
 - c. Internet Gateway
 - d. Direct Connect

Answer b. Transit Gateway

145. A company needs two VPCs to communicate with each other. What can they use?
- a. VPC Endpoints
 - b. AWS Direct Connect
 - c. Internet Gateway
 - d. VPC Peering

Answer d. VPC Peering

146. You need a logically isolated section of AWS, where you can launch AWS resources in a private network that you define. What should you use?
- a. Subnets
 - b. Availability Zone
 - c. VPC
 - d. NAT Instances

Answer c. VPC

147. A company needs to have a private, secure, and fast connection between its on-premises data centers and the AWS Cloud. Which connection should they use?
- a. AWS Direct Connect
 - b. Site to Site VPN
 - c. VPC Peering
 - d. AWS Connect

Answer a. AWS Direct Connect

148. Your VPC needs to connect with the Internet. Which VPC component can help?
- a. NAT Gateways
 - b. NAT Instances
 - c. Network ACL
 - d. Internet Gateway

Answer d. Internet Gateway

149. According to the AWS Shared Responsibility model, who is responsible for the OS patching for EC2 Instance?
- a. AWS
 - b. The Customer

Answer b. The Customer

150. According to the AWS Shared Responsibility model, who is responsible for the server side encryption for Amazon S3?
- a. AWS
 - b. The Customer

Answer b. The Customer

151. According to the AWS Shared Responsibility model, who is responsible for the data center security?
- a. AWS
 - b. The Customer

Answer a. AWS

152. A company that recorded some support call conversation in mp4 files. How can the company extract the audio into a text document?
- a. Amazon Translate
 - b. Amazon Rekognition
 - c. Amazon Polly
 - d. Amazon Transcribe

Answer d. Amazon Transcribe

153. An application is being built that needs to identify faces in images. Which service can be used?
- a. AWS Polly
 - b. AWS Lambda
 - c. AWS Rekognition
 - d. Amazon Transcribe

Answer c. AWS Rekognition

154. TRUE or FALSE - You should use Amazon Transcribe to turn text into lifelike speech using deep learning.

Answer - FALSE

155. A company would like to implement a chatbot that will convert speech-to-text and recognize the customers' intentions. What service should it use?
- a. Lex
 - b. Connect
 - c. Transcribe
 - d. Rekognition

Answer a. Lex

156. Which fully managed service can deliver highly accurate forecasts?
- a. Personalize
 - b. SageMaker
 - c. Lex
 - d. Connect

Answer d. Connect

157. You would like to find objects, people, text, or scenes in images and videos. What AWS service should you use?
- a. Rekognition
 - b. Polly
 - c. Kendra
 - d. Lex

Answer a. Rekognition

158. A start-up would like to rapidly create customized user experiences. Which AWS service can help?
- a. SageMaker
 - b. Personalize
 - c. Kendra
 - d. Connect

Answer b. Personalize

159. A research team would like to group articles by topics using Natural Language Processing (NLP). Which service should they use?
- a. Connect
 - b. Lex
 - c. Comprehend
 - d. Translate

Answer c. Comprehend

160. A company would like to convert its documents into different languages, with natural and accurate wording. What should they use?
- a. Transcribe
 - b. Polly
 - c. Translate
 - d. WordTranslator

Answer c. Translate

161. A developer would like to build, train, and deploy a machine learning model quickly. Which service can he use?
- a. Forecast
 - b. SageMaker
 - c. Comprehend
 - d. Personalize

Answer b. SageMaker

162. Which AWS service makes it easy to convert speech-to-text?
- a. Transcribe
 - b. Connect
 - c. Translate
 - d. Polly

Answer a. Transcribe

163. Which of the following services is a document search service powered by machine learning?
- a. Forecast
 - b. Kendra
 - c. Comprehend
 - d. Polly

Answer b. Kendra

164. Which tool can be used to find compliance information that relates to the AWS Cloud Platform?
- a. Amazon Inspector
 - b. AWS Trusted Advisor
 - c. AWS Artifact
 - d. AWS Personal Health Dashboard

Answer c. AWS Artifact

165. What is AWS policy about penetration testing?
- a. Can only perform penetration testing with permission from AWS
 - b. Can perform penetration testing against any service and account
 - c. Penetration Testing is not allowed under any circumstance
 - d. Can perform penetration testing against selected services without approval

Answer d. Can perform penetration testing against selected services without approval

166. Which service is involved with encryption?
- a. AWS Key Management Service (KMS)
 - b. AWS WAF
 - c. AWS Shield

Answer a. AWS Key Management Service (KMS)

167. Data sitting on an RDS instance would be referred to as?
- a. Data In Transit
 - b. Data At Rest
 - c. Encrypted Data

Answer b. Data At Rest

168. According to the Shared Responsibility Model, who is responsible for firewall and network configuration for EC2 Instances?
- a. The customer
 - b. AWS
 - c. Both the customer and AWS

Answer b. AWS

169. Which of the following services can you use to discover and protect your sensitive data in AWS?
- a. Macie
 - b. Shield
 - c. Artifact
 - d. X-Ray

Answer a. Macie

170. Which AWS service lets you quickly find the root of potential security issues to take faster actions?
- a. Inspector
 - b. Detective
 - c. X Ray
 - d. Shield

Answer b. Detective

171.

172. A company would like to protect its web applications from common web exploits that may affect availability, compromise security, or consume excessive resources. Which AWS service should they use?

- a. Auto Scaling Group
- b. Shield
- c. CloudHSM
- d. Web Application Firewall

Answer d. Web Application Firewall (WAF)

173. Where can you find on-demand access to AWS compliance documentation and AWS agreements?

- a. Artifact
- b. Personal Health Dashboard
- c. Secrets Manager
- d. Shared Responsibility Model

Answer a. Artifact

174. TRUE or FALSE - You can perform any kind of penetration testing on any AWS service without prior approval.

Answer - FALSE

175. You want to record configurations and changes over time. Which service allows you to do this?

- a. Config
- b. Inspector
- c. Guard Duty
- d. Secrets Manager

Answer a. Config

176. A company would like to secure network communications using SSL & TLS certificates. Which AWS service can it use?

- a. Certificate Manager
- b. Secrets Manager
- c. Macie
- d. WAF

Answer a. ACM

177. According to the Shared Responsibility Model, who is responsible for the Patch Management?
- a. AWS
 - b. The customer
 - c. Both the AWS and customer

Answer c. Both the AWS and customer

178. You want to centrally automate security checks across several AWS accounts. Which AWS service can you use?
- a. Inspector
 - b. Detective
 - c. CloudTrail
 - d. SecurityHub

Answer d. Security Hub

179. Which of the following services is managed by AWS and is used to manage encryption keys?
- a. CloudHSM
 - b. KMS
 - c. AWS Secrets Manager
 - d. IAM

Answer b. KSM

180. A company would like to automate security on EC2 instances to assess security and vulnerabilities in these instances. Which AWS service should it use?
- a. Config
 - b. Trusted Advisor
 - c. Inspector
 - d. Systems Manager

Answer c. Inspector

181. Which of the following actions does NOT require the root user?
- a. Close AWS account
 - b. Change AWS Support Plan
 - c. Register as a Seller in the Reserved Instance Marketplace
 - d. Access the billing dashboard

Answer d. Access the billing dashboard

182. According to the Shared Responsibility Model, who is responsible for protecting hardware?
- a. AWS
 - b. The customer
 - c. AWS and the customer

Answer a. AWS

183. Which AWS service's ONLY role is to safeguard running applications from DDoS attacks?
- a. WAF
 - b. Shield
 - c. CloudFront
 - d. KMS

Answer b. Shield

184. Which service is a threat detection service that continuously monitors for malicious activity and unauthorized behavior to protect your AWS accounts and workloads?
- a. KMS
 - b. WAF
 - c. Inspector
 - d. GuardDuty

Answer d. Guard Duty

185. Which of the following allows you to centrally manage all users and roles permissions in your AWS Organization?
- a. Service Control Policies
 - b. Security Hub
 - c. Control Tower
 - d. Trusted Advisor

Answer a. Service Control Policies

186. You would like to automatically set up and govern a secure multi-account AWS environment with best practices for your organization. Which AWS tool can you use?
- a. Organizations
 - b. Control Tower
 - c. Trusted Advisor
 - d. Security Hub

Answer b. Control Tower

187. A company would like recommendations regarding its performance, security, and fault tolerance. What can it use?
- a. Inspector
 - b. Config
 - c. Trusted Advisor
 - d. Technical Account Manager

Answer c. Trusted Advisor

188. Which of the following is INCORRECT regarding AWS Organizations?
- a. Manage multiple AWS Accounts
 - b. Consolidated billing across all account
 - c. Volume discounts from aggregated usage
 - d. Faster access to AWS Support

Answer d. Faster Access to AWS Support

189. What is the most cost-effective option to have 24x7 phone, email, and chat support?
- a. Basic Support Plan
 - b. Developer Support Plan
 - c. Enterprise Support Plan
 - d. Business Support Plan

Answer d. Business Support Plan

190. What can you use to estimate the cost of your architecture solution?
- a. Simple Monthly Calculator/Pricing Calculator
 - b. Cost and Usage Reports
 - c. Total Cost of Ownership
 - d. Trusted Advisor

Answer a. Simple Monthly Calculator/Pricing Calculator

191. TRUE or FALSE - The Enterprise Support Plan comes with a business-critical system down response under 15 minutes and offers access to a Technical Account Manager, as well as a Concierge Support Team.
- a. TRUE
 - b. FALSE

Answer TRUE

192. A company is not sure whether or not it is cost-effective to migrate to the AWS Cloud. Which service can help the executive board make a decision?
- a. Simple Monthly Calculator
 - b. Pricing Calculator
 - c. Billing Dashboard
 - d. Cost Explorer

Answer b. Pricing Calculator

193. What do Resource Groups rely on to group your resources?
- a. Labels
 - b. Categories
 - c. Tags
 - d. Stickers

Answer c. Tags

194. What can you use to get alerts when your costs and usage are exceeding or are forecasted to exceed your budgeting amount?
- a. CloudWatch Billing Alarms
 - b. Budgets
 - c. Cost and Usage Reports
 - d. Billing Dashboard

Answer b. Budgets

195. A company would like to choose the best Savings Plan and forecast its cost in the next 3 months. Which AWS service can help?
- a. Cost and Usage Reports
 - b. Budgets
 - c. Cost Explorer
 - d. Forecast

Answer c. Cost Explorer

196. Which of the following options uses machine learning to recommend optimal AWS resources and therefore reduces costs?
- a. Trusted Advisor
 - b. Budgets
 - c. Cost Explorer
 - d. Compute Optimizer

Answer d. Compute Optimizer

197. Which of the following is NOT a pricing factor in S3?
- a. Storage Class
 - b. Data Transfer Into S3
 - c. Objects Size
 - d. Type of Requests

Answer b. Data Transfer Into S3

198. TRUE or FALSE - EBS Snapshots are added cost in GB per month.
- a. TRUE
 - b. FALSE

Answer TRUE

199. Which of the following options can provide up to 66% discount compared to On-demand for a commitment to a consistent amount of usage for 1 or 3 years and offers the possibility to change EC2 instances family type?
- a. Spot Instances
 - b. Reserved Instances
 - c. Compute Savings Plan
 - d. EC2 Instance Savings Plan

Answer c. Compute Savings Plans

200. A company would like to use their on-premises Microsoft Active Directory to connect to its AWS resources. Which service can it use?
- a. Directory Service
 - b. IAM Identity Center
 - c. Direct Connect
 - d. Cognito

Answer a. Directory Service

201. Which AWS service allows you to create temporary, limited-privilege credentials for your AWS resources?
- a. IAM Identity Center
 - b. Security Token Service
 - c. AWS Directory Service
 - d. Amazon Cognito

Answer b. Security Token Service

202. A company just created a new mobile application and wants to add a simple and secure user sign-up, sign-in, and access control. Which AWS service can it use?
- a. IAM
 - b. Directory Services
 - c. IAM Identity Center
 - d. Cognito

Answer d. Cognito

203. A company would like to centrally manage access to multiple AWS accounts and business applications. Which service can it use?
- a. Organizations
 - b. Cognito
 - c. Directory Service
 - d. IAM Identity Center

Answer d. IAM Identity Center

204. Which of the following does not contribute significantly to the operational value of a large cloud provider like AWS?
- a. Multi Regional Presence
 - b. Highly Experienced Team of Security Engineers
 - c. Deep Experience in the retail sphere
 - d. Metered, pay per using pricing

Answer c. Deep Experience in the retail sphere

205. Which of the following are signs of highly available application? (Select TWO)
- a. A failure in one geographic region will trigger an automatic failover to resources in a different region
 - b. Applications are protected behind multiple layers of security
 - c. Virtualized hypervisor driven systems are deployed as mandated by company policy
 - d. Spikes in user demand are met through automatically increasing resource

Answer a & d

206. Which of the following best describes server virtualization?
- a. Sharding data from multiple sources into a single virtual data store
 - b. Logically partitioning physical compute and storage devices into multiple smaller virtual devices
 - c. Aggregating physical resources spread over multiple physical devices into a single virtual device
 - d. Abstracting the complexity of physical infrastructure behind a simple web interface

Answer B

207. Which of the following best describes IaaS?
- a. Service that hide infra complexity behind a simple interface
 - b. Services that provide a service to end users through public network
 - c. Services that give you direct control over underlying compute and storage resource
 - d. Platforms that allow developers to run their code over short periods on cloud servers

Answer c

208. Which of the following best describes PaaS?
- a. Service that hide infra complexity behind a simple interface
 - b. Services that provide a service to end users through public network
 - c. Services that give you direct control over underlying compute and storage resource
 - d. Platforms that allow developers to run their code over short periods on cloud servers

Answer a.

209. Which of the following best describes SaaS?
- a. Service that hide infra complexity behind a simple interface
 - b. Services that provide a service to end users through public network
 - c. Services that give you direct control over underlying compute and storage resource
 - d. Platforms that allow developers to run their code over short periods on cloud servers

Answer B Services that provide a service to end users through public network

210. Which of the following best describes scalability?
- a. The ability of an application to automatically add pre configured resource to meet increase demand
 - b. The ability of an application to increase or decrease compute resource to match changing demand
 - c. Ability to more densely pack virtualized resources onto a single physical server
 - d. Ability to bill resource usage using a pay per model

Answer A

211. Which of the following best describes elasticity?
- a. The ability of an application to automatically add pre configured resource to meet increase demand
 - b. The ability of an application to increase or decrease compute resource to match changing demand
 - c. Ability to more densely pack virtualized resources onto a single physical server
 - d. Ability to bill resource usage using a pay per model

Answer b.

212. Which of the following characteristics most help AWS provide such scalable services? (Select TWO)
- a. The enormous number of servers it operates
 - b. The value of its capitalized assets
 - c. Its geographic reach
 - d. Its highly automated infrastructure admin systems

Answer a and d

213. Which of the following designations would refer to the AWS US West (Oregon) region?
- a. us-east-1
 - b. us-west-2
 - c. us-west-2b
 - d. us-west-2a

Answer b.

214. Which of the following is an AWS Region for which customer access is restricted?
- a. AWS Admin
 - b. US-DOD
 - c. Asia Pacific (Tokyo)
 - d. AWS GovCloud

Answer d.

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215. Which of the following services are NOT global services? (Select TWO)

- a. RDS
- b. Route 53
- c. EC2
- d. CloudFront

Answer a and c

216. What are the most significant architectural benefits of the way AWS designed its regions?

- a. More Fault Tolerant
- b. Latency
- c. Compliant with local regulations
- d. Bring down the price running

Answer b and c

217. Why is it that most AWS resources are tied to a single region?

- a. Because those resources are run on a physical device and that device must live somewhere
- b. Because security considerations are best served by restricting access to a single physical location
- c. Because access to any digital resource must always occur through a single physical gateway
- d. Because spreading them too far afield would introduce latency issues

Answer a.

218. You want to improve the resilience of your EC2 web server. Which of the following is the most effective and efficient approach?

- a. Launch parallel, load balanced instances in multiple AWS Region
- b. Launch parallel, load balanced instance in multiple AZ within a single AWS Region
- c. Launch parallel, autoscaled instances in multiple AWS Region
- d. Launch parallel, autoscaled instances in multiple AZ within a single AWS Region

Answer b

219. Why is AWS more economical than traditional data centers for applications with varying compute workloads?
- a. Amazon EC2 costs are billed on a monthly basis
 - b. Users retain full administrative access to their Amazon EC2 instances
 - c. Amazon EC2 instances can be launched on demand when needed
 - d. Users can permanently run enough instances to handle peak workloads

Answer c. Amazon EC2 instances can be launched on demand when needed

220. Which AWS service would simplify the migration of a database to AWS?
- a. AWS Storage Gateway
 - b. AWS Database Migration Service (AWS DMS)
 - c. Amazon EC2
 - d. Amazon Appstream 2.0

Answer b. AWS Database Migration Service (AWS DMS)

221. Which AWS offering enables users to find, buy, and immediately start using software solutions in their AWS environments?
- a. AWS Config
 - b. AWS OpsWorks
 - c. AWS SDK
 - d. AWS Marketplace

Answer d. AWS Marketplace

222. Which AWS networking service enables a company to create a virtual network within AWS?
- a. AWS Config
 - b. Amazon Route 53
 - c. AWS Direct Connect
 - d. Amazon Virtual Private Cloud (VPC)

Answer d. Amazon Virtual Private Cloud (VPC)

223. Which of the following is an AWS responsibility under the AWS Shared Responsibility model?

- a. Configuring third party application
- b. Maintaining physical hardware
- c. Securing application access and data
- d. Managing guest operating systems

Answer b. Maintaining physical hardware

224. Which components of AWS global infrastructure does Amazon CloudFront use to ensure low-latency delivery?

- a. AWS Regions
- b. Edge Locations
- c. Availability Zone
- d. Virtual Private Cloud

Answer b. Edge Locations

225. How would a system admin add an additional layer of login security to a user's AWS Management Console?

- a. Use Amazon Cloud Directory
- b. Audit AWS Identity and Access Management roles
- c. Enable multi-factor authentication
- d. Enable AWS Cloud Trail

Answer c. Enable Multi Factor Authentication

226. Which service can identify the user that made the API call when an Amazon EC2 instance is terminated?

- a. AWS Trusted Advisor
- b. AWS CloudTrail
- c. AWS X-Ray
- d. AWS Identity and Access Management

Answer b. AWS CloudTrail

227. Which service would be used to send alerts based on Amazon CloudWatch alarms?
- a. Amazon Simple Notification Service (SNS)
 - b. AWS CloudTrail
 - c. AWS Trusted Advisor
 - d. Amazon Route 53

Answer a. Amazon Simple Notification Service (SNS)

228. Where can users find information about prohibited actions on the AWS Infrastructure?
- a. AWS Trusted Advisor
 - b. AWS Identity and Access Management
 - c. AWS Billing Console
 - d. AWS Acceptable Use Policy

Answer d. AWS Acceptable Use Policy

229. Which of the following AWS Services have automated backups configured by default?
- a. Amazon RDS MySQL DB
 - b. MySQL DB Installed on EC2
 - c. Amazon Batch
 - d. Amazon Athena

230. AWS allows users to manage their resources using a web based user interface. What is the name of this interface?
- a. AWS CLI
 - b. AWS API
 - c. AWS SDK
 - d. AWS Management Console

Answer d. AWS Management Console

231. Which of the following is an example of horizontal scaling in the AWS Cloud?
- a. Replacing an existing EC2 Instance with a large, more powerful one
 - b. Increasing the compute capacity of a single EC2 instances to address the growing demands of an application
 - c. Adding more RAM capacity to an EC2 Instance
 - d. Adding more EC2 instances of the same size to handle an increase in traffic

Answer d. Adding more EC2 instances of the same size to handle an increase in traffic

232. You have noticed that several critical Amazon EC2 instances have been terminated. Which of the following AWS services would help you determine who took this action?
- a. Amazon Inspector
 - b. AWS CloudTrail
 - c. AWS Trusted Advisor
 - d. EC2 Instance Usage Report

Answer b. AWS CloudTrail

233. Which of the below options are related to the reliability of AWS? (Choose TWO)
- a. Applying the principle of least privilege to all AWS resources.
 - b. Automatically provisioning new resources to meet demand.
 - c. All AWS services are considered Global Services, and this design helps customers serve their international users.
 - d. Providing compensation to customers if issues occur.
 - e. Ability to recover quickly from failures.

Answer b and e

234. Which statement is true regarding the AWS Shared Responsibility Model?
- a. Responsibilities vary depending on the service used
 - b. Security of the IaaS services is the responsibility of AWS
 - c. Patching the guest OS is always the responsibility of AWS
 - d. Security of the managed services is the responsibility of the customer

Answer a. Responsibilities vary depending on the service used

235. A company has developed an eCommerce web application in AWS. What should they do to ensure that the application has the highest level of availability?
- a. Deploy the application across multiple Availability Zones and Edge locations.
 - b. Deploy the application across multiple Availability Zones and subnets.
 - c. Deploy the application across multiple Regions and Availability Zones.
 - d. Deploy the application across multiple VPC's and subnets.

Answer c

236. A Japanese company hosts their applications on Amazon EC2 instances in the Tokyo Region. The company has opened new branches in the United States, and the US users are complaining of high latency. What can the company do to reduce latency for the users in the US while minimizing costs?
- a. Applying the Amazon Connect latency-based routing policy.
 - b. Registering a new US domain name to serve the users in the US.
 - c. Building a new data center in the US and implementing a hybrid model.
 - d. Deploying new Amazon EC2 instances in a Region located in the US.

Answer d

237. What does AWS Snowball provide? (Choose TWO)
- a. Built-in computing capabilities that allow customers to process data locally.
 - b. A catalog of third-party software solutions that customers need to build solutions and run their businesses.
 - c. A hybrid cloud storage between on-premises environments and the AWS Cloud.
 - d. An Exabyte-scale data transfer service that allows you to move extremely large amounts of data to AWS.
 - e. Secure transfer of large amounts of data into and out of the AWS.

Answer A and E

238. Adjusting compute capacity dynamically to reduce cost is an implementation of which AWS cloud best practice?
- a. Build security in every layer
 - b. Parallelize tasks
 - c. Implement elasticity
 - d. Adopt monolithic architecture

Answer c. Implement Elasticity

239. What are the benefits of having infrastructure hosted in AWS? (Choose TWO)
- a. Increasing speed and agility.
 - b. There is no need to worry about security.
 - c. Gaining complete control over the physical infrastructure.
 - d. Operating applications on behalf of customers.
 - e. All of the physical security and most of the data/network security are taken care of for you.

Answer A E

240. What is the advantage of the AWS-recommended practice of "decoupling" applications?
- a. Allows treating an application as a single, cohesive unit.
 - b. Reduces inter-dependencies so that failures do not impact other components of the application.
 - c. Allows updates of any monolithic application quickly and easily.
 - d. Allows tracking of any API call made to any AWS service.

Answer B.

241. What do you gain from setting up consolidated billing for five different AWS accounts under another master account?
- a. AWS services' costs will be reduced to half the original price.
 - b. The consolidated billing feature is just for organizational purpose.
 - c. Each AWS account gets volume discounts.
 - d. Each AWS account gets five times the free-tier services capacity.

Answer c.

242. What should you do in order to keep the data on EBS volumes safe? (Choose TWO)
- a. Regularly update firmware on EBS devices.
 - b. Create EBS snapshots.
 - c. Ensure that EBS data is encrypted at rest.
 - d. Store a backup daily in an external drive.
 - e. Prevent any unauthorized access to AWS data centers.

Answer B & C

243. One of the most important AWS best-practices to follow is the cloud architecture principle of elasticity. How does this principle improve your architecture's design?
- a. By automatically scaling your on-premises resources based on changes in demand.
 - b. By automatically scaling your AWS resources using an Elastic Load Balancer.
 - c. By reducing interdependencies between application components wherever possible.
 - d. By automatically provisioning the required AWS resources based on changes in demand.

Answer D

244. What does the "Principle of Least Privilege" refer to?
- a. You should grant your users only the permissions they need when they need them and nothing more.
 - b. All IAM users should have at least the necessary permissions to access the core AWS services.
 - c. All trusted IAM users should have access to any AWS service in the respective AWS account.
 - d. IAM users should not be granted any permissions; to keep your account

Answer A

245. The identification process of an online financial services company requires that new users must complete an online interview with their security team. The completed recorded interviews are only required in the event of a legal issue or a regulatory compliance breach. What is the most cost-effective service to store the recorded videos?
- a. S3 Intelligent-Tiering.
 - b. AWS Marketplace.
 - c. Amazon S3 Glacier Deep Archive.
 - d. Amazon EBS.

Answer C

246. Hundreds of thousands of DDoS attacks are recorded every month worldwide. What service does AWS provide to help protect AWS Customers from these attacks? (Choose TWO)
- a. AWS Shield
 - b. AWS Config
 - c. Amazon Cognito
 - d. AWS WAF
 - e. AWS KMS

Answer A and D

247. You are working on a project that involves creating thumbnails of millions of images. Consistent uptime is not an issue, and continuous processing is not required. Which EC2 buying option would be the most cost-effective?
- a. Reserved Instances
 - b. On Demand Instances
 - c. Dedicated Instances
 - d. Spot Instances

Answer D

248. A company is planning to host an educational website on AWS. Their video courses will be streamed all around the world. Which of the following AWS services will help achieve high transfer speeds?
- a. Amazon SNS
 - b. Amazon Kinesis Video Streams
 - c. AWS CloudFormation
 - d. Amazon CloudFront

Answer D.

249. A developer is planning to build a two-tier web application that has a MySQL database layer. Which of the following AWS database services would provide automated backups for the application?
- a. MySQL db installed on EC2 Instance
 - b. Amazon Aurora
 - c. Amazon DynamoDB
 - d. Amazon Neptune

Answer B. Amazon Aurora

250. What is the AWS service that enables AWS architects to manage infrastructure as code?
- a. AWS CloudFormation
 - b. AWS Config
 - c. Amazon SES
 - d. Amazon EMR

Answer a. AWS CloudFormation

251. You have deployed your application on multiple Amazon EC2 instances. Your customers complain that sometimes they can't reach your application. Which AWS service allows you to monitor the performance of your EC2 instances to assist in troubleshooting these issues?
- a. AWS Lambda
 - b. AWS Config
 - c. Amazon CloudWatch
 - d. AWS CloudTrail

Answer C Amazon CloudWatch

252. In the AWS Shared responsibility Model, which of the following are the responsibility of the customer? (Choose TWO)
- a. Disk disposal
 - b. Controlling physical access to compute resource
 - c. Patching the Network infrastructure
 - d. Setting password complexity rules
 - e. Configuring network access rules

Answer D and E