

- C. Network infrastructure of data center
- D. Project management
- E. Database schema development

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2. A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.
Which EC2 instance pricing model should the company select?

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances
- D. Dedicated Hosts

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Answer: A

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3. Which guideline is a well-architected design principle for building cloud applications?

- A. Keep static data closer to compute resources.
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure.
- D. Use tightly coupled components.

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▼ Reveal

Answer: C

4. A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups. Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

▼ Reveal

Answer: B

5. A company has multiple departments. Each department uses its own AWS account. Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

- A. Amazon Forecast
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Marketplace

▼ Reveal

Answer: C

these reports be generated?

- A. Contact the AWS Compliance team
- B. Download the reports from AWS Artifact
- C. Open a case with AWS Support
- D. Generate the reports with Amazon Macie

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Answer: B

7. A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS. Which AWS service should the company use to meet these requirements?

- A. AWS Device Farm
- B. AWS Fargate
- C. AWS Outposts
- D. AWS Ground Station

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Answer: C

8. Which tasks require using AWS account root user credentials? (Choose two.)

- A. Creating an Amazon EC2 key pair
- B. Removing an IAM user from the administrators group
- C. Changing the AWS Support plan
- D. Creating an Amazon CloudFront key pair
- E. Granting an IAM user full administrative access

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Answer: C E

9. Which of the following are advantages of using Amazon EC2 instances over traditional on-premises servers? (Choose two.)

- A. Pay-as-you-go pricing
- B. Automation
- C. Self-maintenance of servers
- D. Agility
- E. Access to physical hosts

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▼ Reveal

Answer: A D

10. To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access. Which AWS service will support this requirement?

- A. VPC Flow Logs
- B. AWS WAF
- C. AWS CloudTrail



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Answer: D

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11. What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

- A. Less staff time is required to deploy new workloads.
- B. Increased time to market for new application features.
- C. Higher acquisition costs to support peak workloads.
- D. Increased productivity for application development teams.
- E. A decrease in the average server CPU utilization.

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▼ Reveal

Answer: A D

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12. Which Amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

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▼ Reveal

Answer: D

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13. Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

▼ Reveal

Answer: A

14. When using Amazon RDS, what is the customer responsible for?

- A. Patching and maintenance of the underlying operating system.
- B. Managing automatic backups of the database.
- C. Controlling network access through security groups.
- D. Replacing failed instances in the event of a hardware failure.

▼ Reveal

Answer: C

15. Which controls are shared under the AWS shared responsibility model? (Choose two.)

- A. Awareness and training
- B. Patching of Amazon RDS
- C. Configuration management

^

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Answer: A C

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16. A company has decided to migrate its production workloads to the AWS Cloud. Which actions can help reduce operational costs as part of the migration? (Choose two.)

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- A. Reduce overprovisioned instances.
- B. Rehost all third-party licenses on AWS.
- C. Implement a highly available architecture.
- D. Use managed services.
- E. Improve application security.

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Answer: A D

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17. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

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- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

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Answer: B D

18. To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources. Which AWS service will meet these requirements?

- A. AWS Organizations
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. AWS Config

▼ Reveal

Answer: B

19. If a user has an AWS account with an Enterprise-level AWS Support plan, who is the primary point of contact for billing or account inquiries?

- A. Solutions architect
- B. AWS Concierge Support team
- C. An AWS Marketplace seller
- D. AWS Partner Network (APN) partner

▼ Reveal

Answer: B



- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Amazon CloudWatch

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Answer: C

21. A cloud practitioner needs an effective method to decrease application latency and increase performance for end users. Which services will help? (Choose two.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStrearn 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

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Answer: D E

22. A company is building a business intelligence solution and wants to use dashboards for reporting purposes. Which AWS service can be used?

- A. Amazon Redshift
- B. Amazon Elasticsearch Service (Amazon ES)
- C. Amazon QuickSight
- D. Amazon Athena

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Answer: C

23. A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable. Which AWS service can facilitate this data transfer?

- A. Amazon S3 Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

▼ Reveal

Answer: B

24. Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. On-Demand Instances
- B. Standard Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

▼ Reveal

25. Which security-related task is the responsibility of the customer in the AWS Cloud?

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- A. Securing infrastructure at data centers
- B. Maintaining firewall configurations at a hardware level
- C. Maintaining networking among hardware components
- D. Maintaining server-side encryption

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Answer: D

26. Which AWS service acts as a data extract, transform, and load (ETL) tool to make it easy to prepare data for analytics?

- A. Amazon QuickSight
- B. Amazon Athena
- C. AWS Glue
- D. AWS Elastic Beanstalk

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Answer: C

27. A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts. Which AWS service should the company use to achieve this goal?

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- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

▼ Reveal

Answer: B

28. A user can optimize Amazon EC2 costs by performing which of the following tasks? (Choose two.)

- A. Implementing Auto Scaling groups to add and remove instances based on demand.
- B. Creating a policy to restrict IAM users from creating new instances.
- C. Setting a budget to limit spending on EC2 instances using AWS Budgets.
- D. Purchasing Reserved Instances.
- E. Adding EC2 instances to a second AWS Region that is geographically close to the end users.

▼ Reveal

Answer: A D

29. Which AWS services or features help decrease network latency for a globally dispersed user base? (Choose two.)

- A. Amazon VPC
- B. Elastic Load Balancer
- C. Amazon CloudFront
- D. AWS Direct Connect
- E. AWS Global Accelerator



Answer: C E

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30. AWS Trusted Advisor can monitor and provide advice on what characteristics of an AWS account? (Choose two.)

- A. Compliance with security best practices
- B. Application performance
- C. Network utilization
- D. Cost optimization
- E. Compliance status

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Answer: A D

31. Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

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Answer: A

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32. Which AWS service or component allows inbound traffic from the internet to access a VPC?

- A. Internet gateway
- B. NAT gateway
- C. AWS WAF
- D. VPC peering

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Answer: A

33. Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

- A. High availability
- B. Decoupled architecture
- C. Resilience
- D. Elasticity

▼ Reveal

Answer: D

34. According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda
- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

^

Answer: D

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35. A company must process a large amount of data from social media accounts by making graphical queries with high throughput. Which AWS service will help the company design a cloud architecture that will meet these requirements?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Neptune
- D. Amazon Redshift

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Answer: C

36. Which databases are available on Amazon RDS? (Choose two.)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

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Answer: B E

37. Under the AWS shared responsibility model, what is the customer's responsibility when using an AWS managed service?

- A. Physical security of the data centers
- B. Server-side encryption
- C. Customer data
- D. Operating system patching

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Answer: C

38. Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Elastic Beanstalk
- D. Amazon Redshift

▼ Reveal

Answer: A

39. A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?



◀ Reveal

Answer: B

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40. A company spends several months upgrading its on-premises infrastructure every few years. The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud. What is the main benefit of migrating to the AWS Cloud for this use case?

- A. AWS will help move the existing hardware to the AWS data centers.
 - B. The company will have increased agility with on-demand access to IT resources.
 - C. Enterprise support will be available to help with recurring application installation and setup.
 - D. The company will experience less downtime with Multi-AZ deployments.

◀ Reveal

Answer: B

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41. According to the AWS shared responsibility model, when using Amazon RDS, who is responsible for scheduling and performing backups? (https://www.aws-solutions-architectures.com/2020/03/23/what-is-the-well-known-shared-responsibility-model-between-aws-and-customer.html)

- A. AWS is responsible for both tasks.
 - B. The customer is responsible for scheduling and AWS is responsible for performing backups.
 - C. The customer is responsible for both tasks.
 - D. AWS is responsible for scheduling and the user is responsible for performing backups.

◀ Reveal

Answer: B

42. Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?

- A. AWS CloudTrail
 - B. Amazon Inspector
 - C. Amazon CloudWatch
 - D. VPC Flow Logs

◀ Reveal

Answer: A

43. A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks. How can this be resolved?

- A. Enable AWS Shield Advanced
 - B. Create a custom IAM policy
 - C. Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace
 - D. Use AWS Key Management Service (AWS KMS) to create a customer-managed key

◀ Reveal

Answer: B

users in different countries?

- A. Pay-as-you-go pricing
- B. Capacity forecasting
- C. Economies of scale
- D. Global reach

▼ Reveal

Answer: D

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45. A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production disruption. Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM).
- B. Contact the dedicated AWS Concierge Support team.
- C. Open a business-critical system down support case.
- D. Open a production system down support case.

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46. A company is looking for a way to encrypt data stored on Amazon S3. Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

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Answer: D

47. When a user wants to utilize their existing per-socket, per-core, or per-virtual machine software licenses for a Microsoft Windows server running on AWS, which Amazon EC2 instance type is required?

- A. Spot Instances
- B. Dedicated Instances
- C. Dedicated Hosts
- D. Reserved Instances

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Answer: C

48. How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- A. By providing a consolidated view of monthly billing across multiple accounts
- B. By pooling usage across multiple accounts to achieve a pricing tier discount
- C. By automating the creation of new accounts through APIs
- D. By leveraging service control policies (SCPs) for centralized service management



Answer: B

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49. A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any impaired instances are replaced with new ones. Which AWS service should the solutions architect use?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon GuardDuty
- C. AWS Shield
- D. AWS Auto Scaling

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Answer: D

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50. An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted. What is the MOST cost-effective Amazon EC2 pricing option for this application?

- A. Dedicated Instances
- B. Spot Instances
- C. Reserved Instances
- D. On-Demand Instances

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Answer: D

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51. A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients. Which AWS service should the company use?

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon S3 Glacier

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Answer: B

52. An application is receiving SQL injection attacks from multiple external resources. Which AWS service or feature can help automate mitigation against these attacks?

- A. AWS WAF
- B. Security groups
- C. Elastic Load Balancer
- D. Network ACL

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Answer: A

53. Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?



◀ Reveal

Answer: D

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Part 3

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54. A company would like to host its MySQL databases on AWS and maintain full control over the operation, installation, and configuration. Which AWS service should the company use to host the databases?

- A. Amazon RDS
 - B. Amazon EC2
 - C. Amazon DynamoDB
 - D. Amazon Aurora

◀ Reveal

Answer: B

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55. What AWS billing support resource is available to all support levels?

- A. AWS Support concierge
 - B. AWS Customer Service
 - C. AWS technical account manager
 - D. AWS Business Support

◀ Reveal

Answer: B

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56. Which AWS services help to improve application performance by reducing latency while accessing content globally? (Choose two.)

- A. Amazon CloudFront
 - B. AWS VPN
 - C. AWS Direct Connect
 - D. AWS Global Accelerator
 - E. Amazon S3 Glacier

◀ Reveal

Answer: A D

57. Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?

- A. Amazon EMR
 - B. Amazon DynamoDB
 - C. Amazon Redshift
 - D. Amazon Athena

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Answer: D

- A. Closing an AWS account
- B. Creating a log file
- C. Modifying IAM user permissions
- D. Deleting IAM users

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Answer: A

59. Which AWS service does AWS Snowball Edge natively support?

- A. AWS Server Migration Service (AWS SMS)
- B. Amazon Aurora
- C. AWS Trusted Advisor
- D. Amazon EC2

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Answer: D

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Part 1
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60. A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often. Which Amazon S3 storage class will MINIMIZE the cost of the system?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Glacier
- C. S3 Intelligent-Tiering
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

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Answer: B

61. Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge locations

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▼ Reveal

Answer: C

62. Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

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Answer: D

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

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Answer: B

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64. Using AWS Identity and Access Management (IAM), what can be attached to an Amazon EC2 instance to make service requests?

- A. Group
- B. Role
- C. Policy
- D. Access key

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65. A company previously lost data that was stored in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a service that supports data restoration. Which AWS service should the company use to meet these requirements?

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- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. CloudEndure Disaster Recovery
- D. AWS Backup

▼ Reveal

Answer: C

66. Which aspect of AWS infrastructure enables global deployment of compute and storage?

- A. Availability Zones
- B. Regions
- C. Tags
- D. Resource groups

▼ Reveal

Answer: B

67. A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS. Which AWS service or feature should the officer use?

- A. Amazon VPC
- B. AWS VPN
- C. AWS Direct Connect
- D. Amazon Connect



Answer: B

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68. Which of the following can be used to describe infrastructure as code in the AWS Cloud?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CodeDeploy
- D. AWS Amplify

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Answer: B

69. Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Choose two.)

- A. RDS backups are managed by AWS.
- B. RDS supports any relational database.
- C. RDS has no database engine licensing costs.
- D. RDS database compute capacity can be easily scaled.
- E. RDS inbound traffic control (for example, security groups) is managed by AWS.

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Answer: A D

70. Which AWS service is designed to help users who want to use machine learning for natural language processing (NLP) but do not have experience in machine learning?

- A. Amazon Comprehend
- B. Amazon SageMaker
- C. AWS Deep Learning AMIs (DLAMI)
- D. Amazon Rekognition

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Answer: A

71. Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

- A. AWS Direct Connect
- B. VPC peering
- C. AWS VPN
- D. Amazon Route 53

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Answer: A

72. A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption. Which AWS Support plan meets these requirements at the LOWEST cost?



C. Business

D. Enterprise

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Answer: C

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73. How can a user achieve high availability for a web application hosted on AWS?

- A. Use a Classic Load Balancer across multiple AWS Regions.
- B. Use an Application Load Balancer across multiple Availability Zones in one AWS Region.
- C. Set up automatic scaling and load balancing with another application instance running on premises.
- D. Use the AWS Region with the highest number of Availability Zones.

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Answer: B

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74. Which of the following is an AWS best practice for managing an AWS account root user?

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- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user.
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

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Answer: B

75. A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

▼ Reveal

Answer: C

76. Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

▼ Reveal

Answer: C

77. Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?



C. AWS Personal Health Dashboard

D. AWS Trusted Advisor

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Answer: C

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(<https://www.aws-scrum-master-2-48.com>)

78. A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested. Which AWS service will provide a secure and cost-effective solution for retaining these files?

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(<https://www.aws-scrum-master-2-48.com>)

- A. Amazon DynamoDB
- B. Amazon S3 Glacier
- C. Amazon Connect
- D. Amazon ElastiCache

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▼ Reveal

Answer: B

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79. A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds. Which AWS service will meet these requirements?

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(<https://www.aws-scrum-master-1-6.com>)

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon Connect

▼ Reveal

Answer: A

80. The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

▼ Reveal

Answer: D

81. Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification setup
- B. Refresh checks
- C. AWS Support API
- D. Action links

▼ Reveal

Answer: C

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

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Answer: B

83. Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Choose two.)

- A. Hardware maintenance
- B. Power and cooling
- C. Storage costs
- D. Space for data center
- E. Network costs

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Answer: C E

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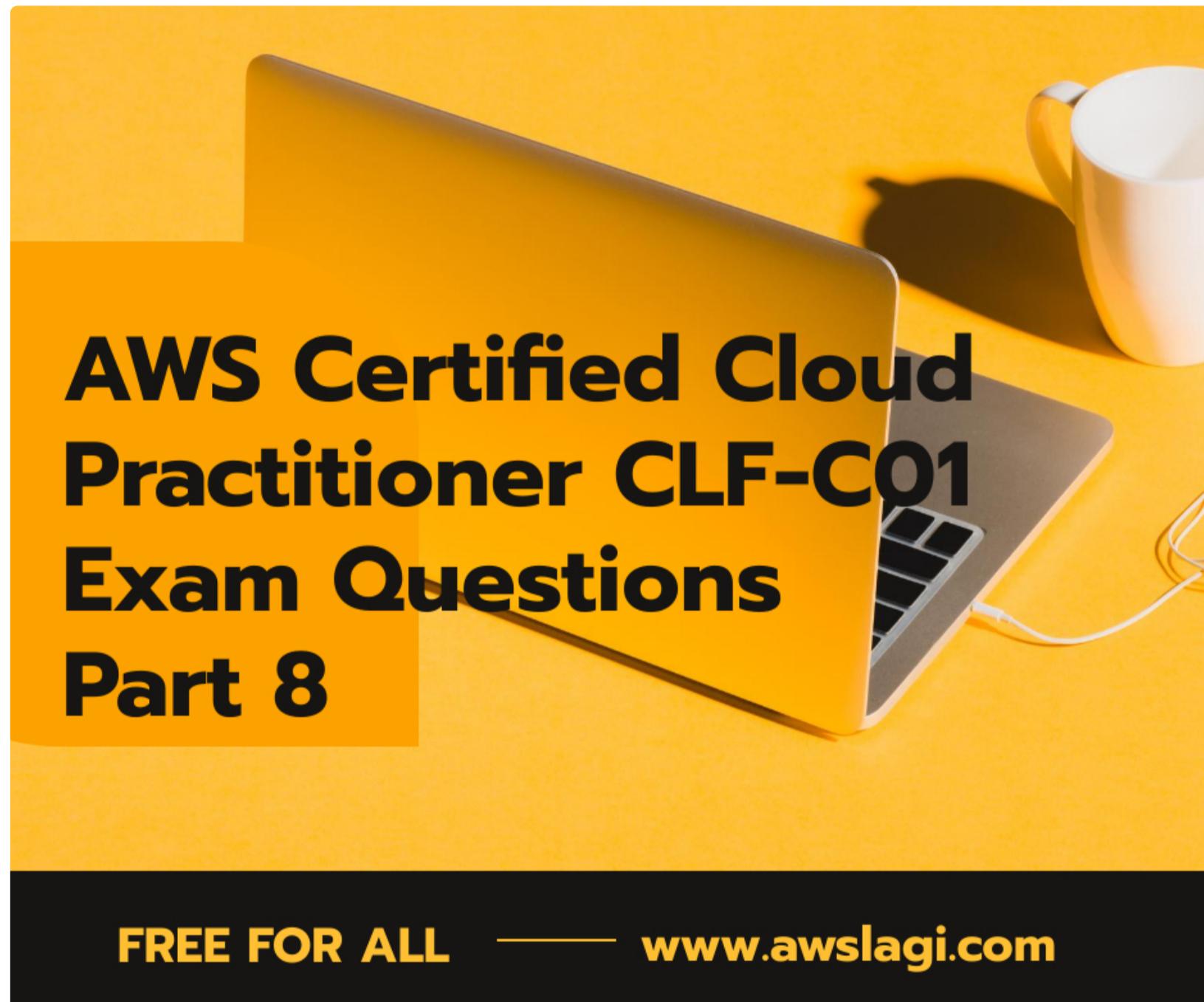
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1. Which of the following are ways to improve security on AWS? (Choose two.)

- A. Using AWS Artifact
- B. Granting the broadest permissions to all IAM roles
- C. Running application code with AWS Cloud9
- D. Enabling multi-factor authentication (MFA) with Amazon Cognito
- E. Using AWS Trusted Advisor security checks

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 **Reveal**

Answer: D E

2. Which of the following enables users to leverage the power of AWS services programmatically?

- A. AWS Command Line Interface (AWS CLI)
- B. AWS Trusted Advisor
- C. AWS CodeDeploy
- D. AWS Management Console

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 **Reveal**

Answer: A

3. Which security credentials are required to run commands by using the AWS Command Line Interface (AWS CLI)?

- A. Access Key ID and Secret Access Key
- B. AWS root user email and password
- C. Amazon Elastic Compute Cloud (Amazon EC2) key pairs
- D. AWS Identity and Access Management (IAM) user name and password

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 **Reveal**

Answer: A

4. Which are customer responsibilities when using Amazon EC2? (Choose two.)

- A. Underlying hardware maintenance
- B. File-system-level encryption
- C. Guest operating system firewall configuration
- D. Hypervisor-level software patching
- E. Physical security at data center facilities



Answer: B C

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5. A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application. Which AWS service would automatically handle the deployment and reduce the complexity for the developer?
- A. AWS CodeDeploy
 - B. AWS Resource Access Manager
 - C. AWS Elastic Beanstalk
 - D. AWS CloudFormation

▼ Reveal

Answer: C

6. A company wants to route its traffic directly and privately to a VPC without going over the public internet. Which connectivity option provides this capability?
- A. AWS VPN
 - B. AWS Direct Connect
 - C. VPC NAT gateway
 - D. VPC internet gateway

▼ Reveal

Answer: B

7. A company wants to build an application for a new line of business. According to the AWS Well-Architected Framework, what design principles should be implemented? (Choose two.)
- A. Consolidate multiple AWS accounts into a single account.
 - B. Buy and host hardware in the AWS Cloud.
 - C. Decouple the AWS Cloud architecture to break up monolithic deployments.
 - D. Move on-premises network hardware to VPCs.
 - E. Design elasticity into the AWS Cloud design.

▼ Reveal

Answer: C E

8. A company wants to forecast its AWS Cloud costs for the upcoming year by analyzing its past AWS Cloud spending trends. Which AWS service should the company use to meet this requirement?
- A. AWS Control Tower
 - B. Cost Explorer
 - C. AWS OpsWorks
 - D. AWS CloudFormation

▼ Reveal

Answer: B

9. Which AWS service or feature can help a company determine if it has Amazon S3 buckets that are publicly available?

▼ Reveal

Answer: C

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10. A company's newly launched application is gaining in popularity very quickly. To improve customer service, the company wants to set up a phone number to manage the increasing volume of calls received by the company's support staff. Which AWS service should be used to meet this requirement?

- A. Amazon Connect
- B. Amazon CloudFront
- C. Amazon DirectConnect
- D. AWS Trusted Advisor

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Answer: A

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11. Which credentials used to sign in to the AWS Management Console meet security best practices? (Choose two.)

- A. An access key
- B. Multi-factor authentication
- C. X.509 certificates
- D. A secret key
- E. User name and password

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Answer: B E

12. AWS can relieve a company's IT staff of which of the following IT tasks? (Choose two.)

- A. Patching database software
- B. Storage capacity planning
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

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Answer: A B

13. A company's security team requires that all Amazon EC2 workloads use approved Amazon Machine Images (AMIs). Which AWS service should the company use to verify that the EC2 instances are using approved AMIs?

- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS Config
- D. AWS Trusted Advisor

▼ Reveal

14. Which of the following are benefits of using the AWS Cloud? (Choose two.)

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- A. 100% fault tolerance
- B. Total control over underlying infrastructure
- C. Fast provisioning of IT resources
- D. Outsourcing all application coding to AWS
- E. Ability to go global quickly

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Answer: C E

15. Which of the following security-related aspects of running an Amazon Elastic Compute Cloud (Amazon EC2) instance is the responsibility of AWS?

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- A. Security of private keys
- B. Hypervisor software updates
- C. Security updates to software running on the instance
- D. Policies controlling instance access

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▼ Reveal

Answer: B

16. Which AWS service aggregates, organizes, and prioritizes security alerts and findings from multiple AWS services?

(<https://www.aws-scrum-master-1.com/part1.html>)

- A. Amazon Detective
- B. Amazon Inspector
- C. Amazon Macie
- D. AWS Security Hub

▼ Reveal

Answer: D

17. A developer has an AWS account and needs access to another account's test database. Which AWS service or feature can the developer use to gain access to the test database?

- A. Amazon Macie
- B. Security groups
- C. IAM roles
- D. AWS Trusted Advisor

▼ Reveal

Answer: C

18. Using Amazon Elastic Container Service (Amazon ECS) to break down a monolithic architecture into microservices is an example of:

- A. a loosely coupled architecture.
- B. a tightly coupled architecture.
- C. a stateless architecture.



▼ Reveal

Answer: C

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19. Which service enables customers to audit API calls in their AWS accounts?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS X-Ray

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Answer: A

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20. Which VPC component provides a layer of security at the subnet level?

- A. Security groups
- B. Network ACLs
- C. NAT gateways
- D. Route tables

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▼ Reveal

Answer: B

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21. Which benefit is available for Convertible Reserved Instances but NOT Standard Reserved Instances?

- A. The instances can be exchanged for instances of a different instance size.
- B. The instances can be exchanged for instances of a different instance family.
- C. The instances can be changed to a different Availability Zone.
- D. The instances can be changed to a different AWS Region.

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Answer: B

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22. A user wants to move legacy applications to the AWS Cloud to reduce the total cost. Which option is the MOST cost-effective according to best practices?

- A. Rewrite the legacy applications in an open-source language, such as Python.
- B. Right-size the Amazon EC2 instances to prevent over-provisioning in terms of compute and memory.
- C. Migrate relational databases to Amazon DynamoDB.
- D. Reserve a data center facility with an upfront payment, which provides an additional discount.

▼ Reveal

Answer: B

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23. According to the AWS shared responsibility model, which task is the responsibility of AWS for workloads running on Amazon EC2?



C. Updating the database engine

D. Updating the user data

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24. A user needs to identify underutilized Amazon Elastic Block Store (Amazon EBS) volumes to reduce costs. Which AWS service or feature will meet this requirement? scrum-master-2-

- A. AWS CloudTrail
 - B. AWS Budgets
 - C. AWS Trusted Advisor
 - D. AWS Personal Health Dashboard

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25. Which AWS service will help a company identify the user who deleted an Amazon EC2 instance yesterday?

- A. Amazon CloudWatch
 - B. AWS Trusted Advisor
 - C. AWS CloudTrail
 - D. Amazon Inspector

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<https://www.aws.scrum-master-1.com>

26. A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores. How can the company meet this requirement in the AWS Cloud?

- A. Launch an Amazon EC2 instance with default tenancy.
 - B. Launch an Amazon EC2 instance on a Dedicated Host.
 - C. Create an On-Demand Capacity Reservation.
 - D. Purchase Dedicated Reserved Instances.

◀ Reveal

Answer: B

27. A company must keep records of all resource changes that are made through the AWS Management Console and AWS APIs. Which AWS service should the company use to meet this requirement?

- A. Amazon CloudWatch
 - B. AWS CloudTrail
 - C. AWS X-Ray
 - D. Amazon Inspector

◀ Reveal

Answer: B

- A. Create a separate Availability Zone to host the resources.
- B. Create a separate VPC to host the resources.
- C. Create a placement group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS

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Answer: B

29. A company needs to monitor and forecast AWS costs and usage. The company also must set event-driven alert notifications that occur if spending limits are exceeded. Which AWS service or tool should the company use to meet these requirements?

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- A. AWS Budgets
- B. Amazon CloudWatch
- C. AWS Config
- D. AWS Service Catalog

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Answer: A

30. Which of the following is a best practice for creating policies for IAM users?

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- A. Start with a large set of permissions and remove the permissions that are not required.
- B. Use only Amazon managed policies.
- C. Start with a minimum set of permissions and grant additional permissions as necessary.
- D. Attach policies directly to each user individually.

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Answer: C

31. A user with an AWS Basic Support plan has determined that illegal activities are being run on their AWS resources. What is the recommended method for the user to report the activity to AWS?

- A. Contact the AWS Concierge Support team.
- B. Contact an AWS technical account manager.
- C. Contact the AWS Abuse team.
- D. Contact the AWS Support team.

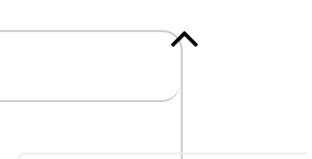
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Answer: C

32. When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)

- A. Physical storage hardware
- B. Operating system administration
- C. Network infrastructure of data center
- D. Project management
- E. Database schema development



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33. A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings. Which EC2 instance pricing model should the company select? Recent Posts

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances
- D. Dedicated Hosts

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Answer: A

34. Which guideline is a well-architected design principle for building cloud applications?

- A. Keep static data closer to compute resources.
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure.
- D. Use tightly coupled components.

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Answer: C

35. What does the AWS Cloud provide to increase the speed and agility of execution for customers? (Choose two.)

- A. Readily available resources with low provisioning times
- B. Scalable compute capacity
- C. Free Tier services usage
- D. Access to AWS data centers
- E. Lower resource provisioning cost

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Answer: A B

36. A company believes an unauthorized user copied data from an Amazon S3 bucket to their own account. Which AWS service will record the actions taken by the user?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Infrastructure Event Management
- D. AWS Systems Manager

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Answer: B

37. Which AWS service provides a simple way to set up a new multi-account AWS environment and govern it at scale?

- A. AWS Trusted Advisor
- B. AWS Security Hub
- C. AWS Control Tower
- D. AWS Resource Access Manager



Answer: C

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38. How does the AWS global infrastructure offer high availability and fault tolerance to its users?

- A. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies. > Professional Scrub Part 3 (<https://www.aws-scrum-master-2.com/questions/38>)
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location. (<https://www.aws-scrum-master-2.com/questions/38>)
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions. > Professional Scrub Part 2 (<https://www.aws-scrum-master-2.com/questions/38>)
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies. (<https://www.aws-scrum-master-2.com/questions/38>)

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Answer: D

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(<https://www.aws-scrum-master-2.com/questions/38>)

39. How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Choose two.)

- A. Users can take advantage of managed services on AWS. > Professional Scrub Part 3 (<https://www.aws-scrum-master-1.com/questions/39>)
- B. Users can outsource operating system patching to the AWS Support team. (<https://www.aws-scrum-master-1.com/questions/39>)
- C. AWS Professional Services will upgrade instances to the latest operating system versions. (<https://www.aws-scrum-master-1.com/questions/39>)
- D. Users have the ability to use license-included Amazon EC2 instances. (<https://www.aws-scrum-master-1.com/questions/39>)
- E. Users can take advantage of AWS Systems Manager features. > Professional Scrub Part 2 (<https://www.aws-scrum-master-1.com/questions/39>)

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Answer: A E

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40. A user has an AWS Business Support plan and requires detailed billing information. Which AWS resource will help?

- A. AWS Concierge Support
- B. AWS Service Catalog
- C. AWS Budgets
- D. AWS Cost and Usage Report

▼ Reveal

Answer: D

41. A company has enabled billing alerts in its AWS account and wants to receive a notification through Amazon Simple Notification Service (Amazon SNS) whenever its monthly bill exceeds a set amount. Which AWS service or tool should the company use to achieve this?

- A. Amazon CloudWatch
- B. Cost Explorer
- C. AWS Cost and Usage Report
- D. AWS Pricing Calculator

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Answer: A

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

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Answer: B

43. A company has multiple departments. Each department uses its own AWS account. Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

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- A. Amazon Forecast
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Marketplace

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Answer: C

44. A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud. How can these reports be generated?

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- A. Contact the AWS Compliance team
- B. Download the reports from AWS Artifact
- C. Open a case with AWS Support
- D. Generate the reports with Amazon Macie

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▼ Reveal

Answer: B

45. A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS. Which AWS service should the company use to meet these requirements?

- A. AWS Device Farm
- B. AWS Fargate
- C. AWS Outposts
- D. AWS Ground Station

▼ Reveal

Answer: C

46. Which tasks require using AWS account root user credentials? (Choose two.)

- A. Creating an Amazon EC2 key pair
- B. Removing an IAM user from the administrators group
- C. Changing the AWS Support plan
- D. Creating an Amazon CloudFront key pair
- E. Granting an IAM user full administrative access



Answer: C D

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47. Which of the following are advantages of using Amazon EC2 instances over traditional on-premises servers? (Choose two.)

- A. Pay-as-you-go pricing
- B. Automation
- C. Self-maintenance of servers
- D. Agility
- E. Access to physical hosts

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Answer: A D

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48. To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access. Which AWS service will support this requirement?

- A. VPC Flow Logs
- B. AWS WAF
- C. AWS CloudTrail
- D. AWS Trusted Advisor

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Answer: D

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49. What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

- A. Less staff time is required to deploy new workloads.
- B. Increased time to market for new application features.
- C. Higher acquisition costs to support peak workloads.
- D. Increased productivity for application development teams.
- E. A decrease in the average server CPU utilization.

▼ Reveal

Answer: A D

50. Which Amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

▼ Reveal

Answer: C

51. Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)



▼ Reveal

Answer: A

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52. When using Amazon RDS, what is the customer responsible for?

- A. Patching and maintenance of the underlying operating system.
- B. Managing automatic backups of the database.
- C. Controlling network access through security groups.
- D. Replacing failed instances in the event of a hardware failure

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Answer: C

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53. Which controls are shared under the AWS shared responsibility model? (Choose two.)

- A. Awareness and training
- B. Patching of Amazon RDS
- C. Configuration management
- D. Physical and environmental controls
- E. Service and communications protection or security

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Answer: A C

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54. A company has decided to migrate its production workloads to the AWS Cloud. Which actions can help reduce operational costs as part of the migration? (Choose two.)

- A. Reduce overprovisioned instances.
- B. Rehost all third-party licenses on AWS.
- C. Implement a highly available architecture.
- D. Use managed services.
- E. Improve application security.

▼ Reveal

Answer: A D

55. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

▼ Reveal

Answer: B C

56. To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources. Which AWS service will meet these requirements?

C. AWS CloudTrail

D. AWS Config

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Answer: B

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57. If a user has an AWS account with an Enterprise-level AWS Support plan, who is the primary point of contact for billing or account inquiries?

A. Solutions architect

B. AWS Concierge Support team

C. An AWS Marketplace seller

D. AWS Partner Network (APN) partner

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Answer: B

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58. Which AWS service will track user activity on AWS?

A. Amazon GuardDuty

B. AWS Trusted Advisor

C. AWS CloudTrail

D. Amazon CloudWatch

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Answer: C

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59. A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help? (Choose two.)

A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes

B. Amazon S3

C. Amazon AppStream 2.0

D. Amazon ElastiCache

E. Amazon CloudFront

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Answer: D E

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60. A company is building a business intelligence solution and wants to use dashboards for reporting purposes. Which AWS service can be used?

A. Amazon Redshift

B. Amazon Elasticsearch Service (Amazon ES)

C. Amazon QuickSight

D. Amazon Athena

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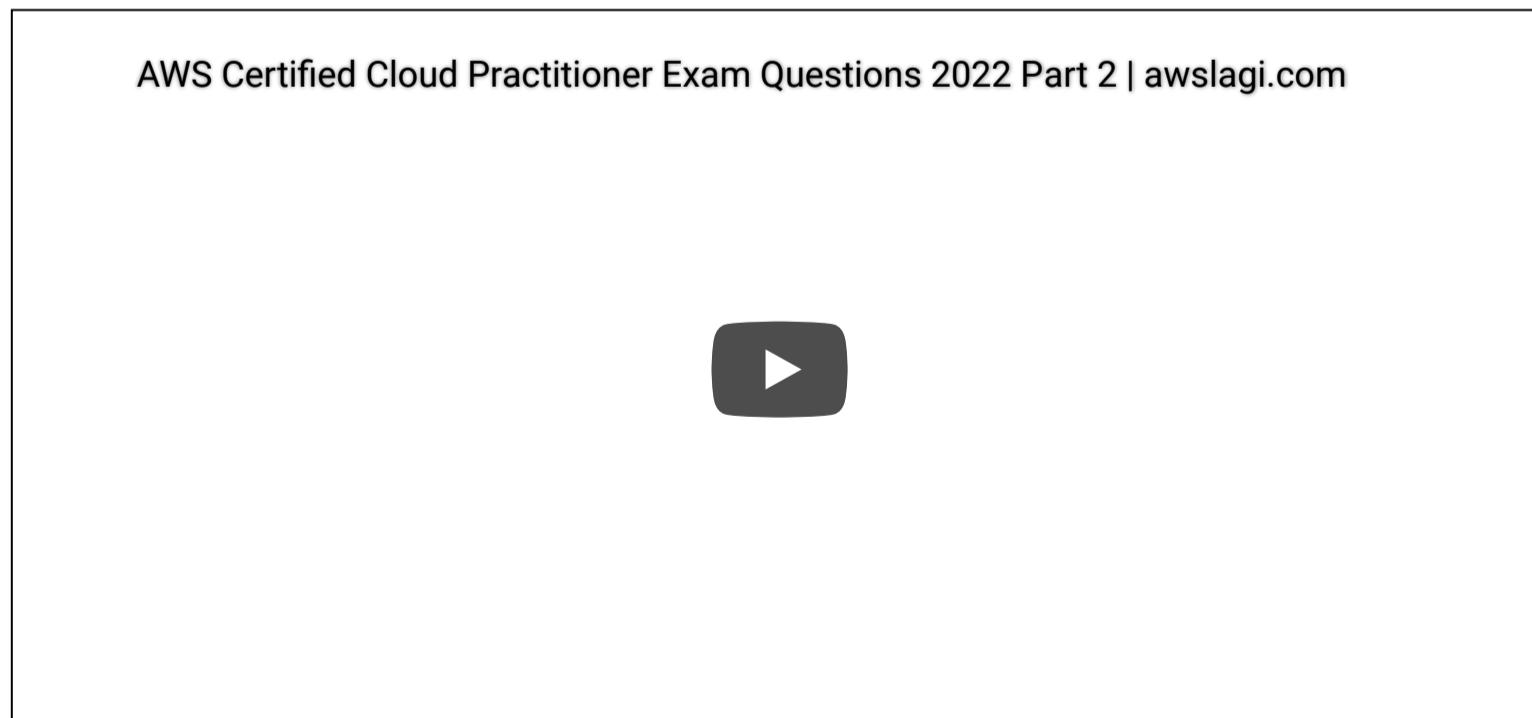
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1. A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable. Which AWS service can facilitate this data transfer?

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- A. Amazon S3 Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

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▼ Reveal

Answer: B

2. Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. On-Demand Instances
- B. Standard Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

▼ Reveal

Answer: C

3. Which security-related task is the responsibility of the customer in the AWS Cloud?

- A. Securing infrastructure at data centers
- B. Maintaining firewall configurations at a hardware level
- C. Maintaining networking among hardware components
- D. Maintaining server-side encryption

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Answer: D

- A. Amazon QuickSight
- B. Amazon Athena
- C. AWS Glue
- D. AWS Elastic Beanstalk

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Answer: C

5. A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts. Which AWS service should the company use to achieve this goal?

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- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

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Answer: B

6. A user can optimize Amazon EC2 costs by performing which of the following tasks? (Choose two.)

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- A. Implementing Auto Scaling groups to add and remove instances based on demand.
- B. Creating a policy to restrict IAM users from creating new instances.
- C. Setting a budget to limit spending on EC2 instances using AWS Budgets.
- D. Purchasing Reserved Instances.
- E. Adding EC2 instances to a second AWS Region that is geographically close to the end users.

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Answer: A D

7. Which AWS services or features help decrease network latency for a globally dispersed user base? (Choose two.)

- A. Amazon VPC
- B. Elastic Load Balancer
- C. Amazon CloudFront
- D. AWS Direct Connect
- E. AWS Global Accelerator

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Answer: C E

8. AWS Trusted Advisor can monitor and provide advice on what characteristics of an AWS account? (Choose two.)

- A. Compliance with security best practices
- B. Application performance
- C. Network utilization
- D. Cost optimization
- E. Compliance status



▼ Reveal

9. Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

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- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

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Answer: A

10. Which AWS service or component allows inbound traffic from the internet to access a VPC?

- A. Internet gateway
- B. NAT gateway
- C. AWS WAF
- D. VPC peering

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Answer: A

11. Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

- A. High availability
- B. Decoupled architecture
- C. Resilience
- D. Elasticity

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Answer: D

12. According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda
- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

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Answer: D

13. A company must process a large amount of data from social media accounts by making graphical queries with high throughput. Which AWS service will help the company design a cloud architecture that will meet these requirements?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Neptune
- D. Amazon Redshift



Answer: C

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14. Which databases are available on Amazon RDS? (Choose two.)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

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Answer: B E

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15. Under the AWS shared responsibility model, what is the customer's responsibility when using an AWS managed service? (Choose one.)

- A. Physical security of the data centers
- B. Server-side encryption
- C. Customer data
- D. Operating system patching

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Answer: C

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16. Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Elastic Beanstalk
- D. Amazon Redshift

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Answer: A

17. A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

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Answer: B

18. A company spends several months upgrading its on-premises infrastructure every few years. The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud. What is the main benefit of migrating to the AWS Cloud for this use case?



C. Enterprise support will be available to help with recurring application installation and setup.

D. The company will experience less downtime with Multi-AZ deployments.

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Answer: B

19. According to the AWS shared responsibility model, when using Amazon RDS, who is responsible for scheduling and performing backups?

- A. AWS is responsible for both tasks.
- B. The customer is responsible for scheduling and AWS is responsible for performing backups.
- C. The customer is responsible for both tasks.
- D. AWS is responsible for scheduling and the user is responsible for performing backups.

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Answer: B

20. Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. Amazon CloudWatch
- D. VPC Flow Logs

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Answer: A

21. A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks.

How can this be resolved?

- A. Enable AWS Shield Advanced
- B. Create a custom IAM policy
- C. Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace
- D. Use AWS Key Management Service (AWS KMS) to create a customer-managed key

▼ Reveal

Answer: B

22. Which cloud computing advantage is a company applying when it uses AWS Regions to increase application availability to users in different countries?

- A. Pay-as-you-go pricing
- B. Capacity forecasting
- C. Economies of scale
- D. Global reach

▼ Reveal

Answer: D

- A. Contact the dedicated AWS technical account manager (TAM).
- B. Contact the dedicated AWS Concierge Support team.
- C. Open a business-critical system down support case.
- D. Open a production system down support case.

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Answer: D

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24. A company is looking for a way to encrypt data stored on Amazon S3. Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

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25. When a user wants to utilize their existing per-socket, per-core, or per-virtual machine software licenses for a Microsoft Windows server running on AWS, which Amazon EC2 instance type is required?

- A. Spot Instances
- B. Dedicated Instances
- C. Dedicated Hosts
- D. Reserved Instances

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Answer: C

26. How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- A. By providing a consolidated view of monthly billing across multiple accounts
- B. By pooling usage across multiple accounts to achieve a pricing tier discount
- C. By automating the creation of new accounts through APIs
- D. By leveraging service control policies (SCPs) for centralized service management

▼ Reveal

Answer: B

27. A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any impaired instances are replaced with new ones. Which AWS service should the solutions architect use?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon GuardDuty
- C. AWS Shield
- D. AWS Auto Scaling

▼ Reveal



28. An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted. What is the MOST cost-effective Amazon EC2 pricing option for this application?

- A. Dedicated Instances
- B. Spot Instances
- C. Reserved Instances
- D. On-Demand Instances

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Answer: D

29. A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients. Which AWS service should the company use?

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- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon S3 Glacier

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Answer: B

30. An application is receiving SQL injection attacks from multiple external resources. Which AWS service or feature can help automate mitigation against these attacks?

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- A. AWS WAF
- B. Security groups
- C. Elastic Load Balancer
- D. Network ACL

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Answer: A

31. Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?

- A. AWS X-Ray
- B. AWS Shield
- C. AWS Trusted Advisor
- D. AWS CloudTrail

▼ Reveal

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Answer: D

32. A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation, and configuration. Which AWS service should the company use to host the databases?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon DynamoDB



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Answer: B

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33. What AWS billing support resource is available to all support levels?

- A. AWS Support concierge
- B. AWS Customer Service
- C. AWS technical account manager
- D. AWS Business Support

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Answer: B

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34. Which AWS services help to improve application performance by reducing latency while accessing content globally? (Choose two.)

- A. Amazon CloudFront
- B. AWS VPN
- C. AWS Direct Connect
- D. AWS Global Accelerator
- E. Amazon S3 Glacier

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Answer: A D

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35. Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?

- A. Amazon EMR
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Athena

▼ Reveal

Answer: D

36. Which task requires the use of AWS account root account user credentials?

- A. Closing an AWS account
- B. Creating a log file
- C. Modifying IAM user permissions
- D. Deleting IAM users

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Answer: A

37. Which AWS service does AWS Snowball Edge natively support?



C. AWS Trusted Advisor

D. Amazon EC2

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Answer: D

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38. A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often. Which Amazon S3 storage class will MINIMIZE the cost of the system?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Glacier
- C. S3 Intelligent-Tiering
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

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Answer: B

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39. Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to users to run latency-sensitive applications?

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- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge locations

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Answer: C

40. Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

▼ Reveal

Answer: D

41. A company wants durable storage for static content and infinitely scalable data storage infrastructure at the lowest cost. Which AWS service should the company choose?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

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Answer: B

- A. Group
- B. Role
- C. Policy
- D. Access key

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Answer: B

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43. A company previously lost data that was stored in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration. Which AWS service should the company use to meet these requirements?

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. CloudEndure Disaster Recovery
- D. AWS Backup

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Answer: C

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44. Which aspect of AWS infrastructure enables global deployment of compute and storage?

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- A. Availability Zones
- B. Regions
- C. Tags
- D. Resource groups

▼ Reveal

Answer: B

45. A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS.

Which AWS service or feature should the officer use?

- A. Amazon VPC
- B. AWS VPN
- C. AWS Direct Connect
- D. Amazon Connect

▼ Reveal

Answer: B

46. Which of the following can be used to describe infrastructure as code in the AWS Cloud?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CodeDeploy
- D. AWS Amplify



▼ Reveal

47. Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Choose two.)

- A. RDS backups are managed by AWS.
- B. RDS supports any relational database.
- C. RDS has no database engine licensing costs.
- D. RDS database compute capacity can be easily scaled.
- E. RDS inbound traffic control (for example, security groups) is managed by AWS.

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Answer: A D

48. Which AWS service is designed to help users who want to use machine learning for natural language processing (NLP) but do not have experience in machine learning?

- A. Amazon Comprehend
- B. Amazon SageMaker
- C. AWS Deep Learning AMIs (DLAMI)
- D. Amazon Rekognition

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Answer: A

49. Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

- A. AWS Direct Connect
- B. VPC peering
- C. AWS VPN
- D. Amazon Route 53

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Answer: A

50. A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption. Which AWS Support plan meets these requirements at the LOWEST cost?

- A. Basic
- B. Developer
- C. Business
- D. Enterprise

▼ Reveal

Answer: C

51. How can a user achieve high availability for a web application hosted on AWS?



C. Set up automatic scaling and load balancing with another application instance running on premises.

D. Use the AWS Region with the highest number of Availability Zones.

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Answer: A

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52. Which of the following is an AWS best practice for managing an AWS account root user?

- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user.
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

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Answer: B

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53. A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet. What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

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Answer: C

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54. Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

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Answer: C

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55. Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?

- A. AWS Config
- B. AWS Systems Manager
- C. AWS Personal Health Dashboard
- D. AWS Trusted Advisor

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Answer: C

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- A. Amazon DynamoDB
- B. Amazon S3 Glacier
- C. Amazon Connect
- D. Amazon ElastiCache

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Answer: B

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57. A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds. Which AWS service will meet these requirements?

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- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon Connect

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Answer: A

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58. The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

▼ Reveal

Answer: D

59. Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification setup
- B. Refresh checks
- C. AWS Support API
- D. Action links

▼ Reveal

Answer: C

60. A company is required to store its data close to its primary users. Which benefit of the AWS Cloud supports this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint



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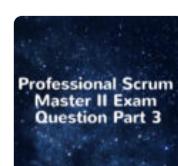
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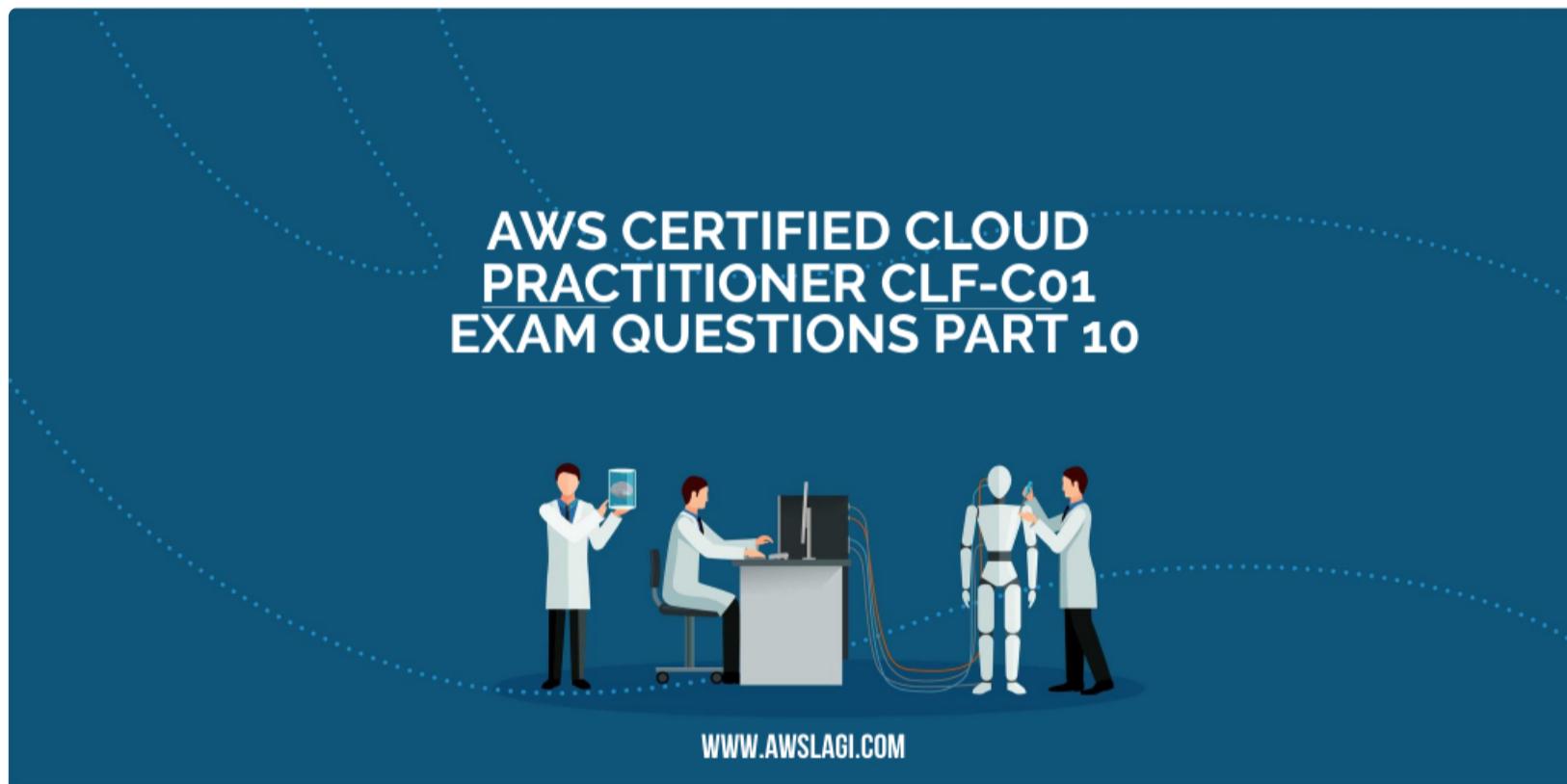
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1. Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Choose two.)

- A. Hardware maintenance
- B. Power and cooling
- C. Storage costs
- D. Space for data center
- E. Network costs

▼ Reveal

Answer: C E

2. According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

▼ Reveal

Answer: C

3. A user can increase operational efficiency in the AWS Cloud by:

- A. leveraging AWS managed services.
- B. right-sizing AWS infrastructure.
- C. manually creating all necessary resources.
- D. managing their own software license.

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Answer: A

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. AWS Config

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Answer: B

5. Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

- A. Creating versions of Lambda functions
- B. Maintaining server and operating systems
- C. Scaling Lambda resources according to demand
- D. Updating the Lambda runtime environment

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Answer: A

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6. A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

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- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS Cloud Trail
- D. AWS IAM

▼ Reveal

Answer: C

7. According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

- A. Network infrastructure and virtualization of infrastructure
- B. Security of application data
- C. Guest operating systems
- D. Physical security of hardware
- E. Credentials and policies

▼ Reveal

Answer: A D

8. Which of the following services can be used to block network traffic to an instance? (Choose two.)

- A. Security groups
- B. Amazon Virtual Private Cloud (Amazon VPC) flow logs
- C. Network ACLs
- D. Amazon CloudWatch
- E. AWS CloudTrail



Answer: A C

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9. A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud. Which AWS service should the company use?

- A. AWS Snowball
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon Connect

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Answer: A

10. A company has refined its workload to use specific AWS services to improve efficiency and reduce cost. Which best practice for cost governance does this example show?

- A. Resource controls
- B. Cost allocation
- C. Architecture optimization
- D. Tagging enforcement

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Answer: C

11. A company hosts images in an Amazon S3 bucket for a public-facing website that is viewed by millions of users around the globe. Which AWS service will deliver this content with reduced latency?

- A. AWS WAF
- B. Amazon CloudWatch
- C. Amazon CloudFront
- D. AWS CloudFormation

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▼ Reveal

Answer: C

12. A company is expecting a short-term spike in internet traffic for its application. During the traffic increase, the application cannot be interrupted. The company also needs to minimize cost and maximize flexibility. Which Amazon EC2 instance type should the company use to meet these requirements?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

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Answer: A

13. A company wants to track AWS resource configuration changes for compliance reasons. Which AWS feature can be used to meet this requirement? ^

C. AWS Config rules

D. VPC Flow Logs

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Answer: C

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14. A company is building an application that needs to deliver images and videos globally with minimal latency. Which approach can the company use to accomplish this in a cost effective manner?

- A. Deliver the content through Amazon CloudFront.
- B. Store the content on Amazon S3 and enable S3 cross-region replication.
- C. Implement a VPN across multiple AWS Regions.
- D. Deliver the content through AWS PrivateLink.

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Answer: A

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15. The AWS IAM best practice for granting least privilege is to:

- A. apply an IAM policy to an IAM group and limit the size of the group.
- B. require multi-factor authentication (MFA) for all IAM users.
- C. require each IAM user who has different permissions to have multiple passwords.
- D. apply an IAM policy only to IAM users who require it.

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Answer: D

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16. Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

- A. Pay-as-you-go pricing
- B. High availability
- C. Global reach
- D. Economies of scale

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Answer: D

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17. A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in a various AWS accounts that it wants to interconnect. Which AWS service or feature should the company use to help simplify management and reduce operational costs?

- A. VPC endpoint
- B. AWS Direct Connect
- C. AWS Transit Gateway
- D. VPC peering

▼ Reveal

Answer: C



- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

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Answer: B

19. Which AWS service or feature can be used to prevent SQL injection attacks?

- A. Security groups
- B. Network ACLs
- C. AWS WAF
- D. IAM policy

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▼ Reveal

Answer: C

20. Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route 53
- D. AWS Trusted Advisor

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23. Which AWS Cloud design principles can help increase reliability? (Choose two.)

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- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures
- D. Adopting a consumption model
- E. Automatically recovering from failure

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Answer: C E

24. A company has an AWS environment that consists of a VPC, multiple subnets, and many Amazon EC2 instances in the subnets. An engineer wants to restrict inbound traffic to one particular EC2 instance without affecting the other EC2 instances.

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Which AWS service or feature should the engineer use to meet this requirement?

- A. Network ACLs
- B. Security groups
- C. Amazon GuardDuty
- D. AWS Shield

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Answer: B

25. A company wants to connect to AWS over a private, low-latency connection from its remote office. What is the recommended method to meet these requirements?

Scrum Master 1-6

- A. Create a VPN tunnel
- B. Connect across the public internet
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

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Answer: D

26. Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

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▼ Reveal

Answer: B

27. A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting. Which AWS service should the company use?



C. AWS Trusted Advisor

D. Amazon Inspector

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Answer: B

28. How should a web application be deployed to ensure high availability in the AWS Cloud?

A. Deploy multiple instances of the application in multiple Availability Zones.

B. Deploy multiple instances of the application in a single Availability Zone.

C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.

D. Deploy the application in one Amazon EC2 instance in an Auto Scaling group.

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Answer: A

29. A company is running a self-managed Oracle database directly on Amazon EC2 for its steady-state database. The company wants to reduce compute costs. Which option should the company use to maximize savings over a 3-year term?

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A. EC2 Dedicated Instances

B. EC2 Spot Instances

C. EC2 Reserved Instances

D. EC2 On-Demand Instances

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Answer: C

30. An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys. What is the SIMPLEST way to provide this information?

A. Create an IAM user account for the auditor, granting the auditor administrator permissions.

B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.

C. Download the IAM credential report, then provide the report to the auditor.

D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

▼ Reveal

Answer: C

31. What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)

A. Volume discounts

B. A minimal additional fee for use

C. One bill for multiple accounts

D. Installment payment options

E. Custom cost and usage budget creation

▼ Reveal

Answer: A C

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

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Answer: B

33. What is the customer's responsibility when using AWS Lambda?

- A. Operating system configuration
- B. Application management
- C. Platform management
- D. Code encryption

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Answer: B

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34. A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Macie

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Answer: A

35. Which AWS service provides the ability to host a NoSQL database in the AWS Cloud?

- A. Amazon Aurora
- B. Amazon DynamoDB
- C. Amazon RDS
- D. Amazon Redshift

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Answer: B

36. Which AWS service allows customers to purchase unused Amazon EC2 capacity at an often discounted rate?

- A. Reserved Instances
- B. On-Demand Instances
- C. Dedicated Instances
- D. Spot Instances

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Answer: D

- A. AWS VPN
- B. Amazon Connect
- C. AWS Direct Connect
- D. Internet gateway

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Answer: C

38. Which AWS services offer compute capabilities? (Choose two.)

- A. Amazon EC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS Lambda

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Answer: A C

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39. Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar

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Answer: B

40. Which AWS service should a cloud practitioner use to identify security vulnerabilities of an AWS account?

- A. AWS Secrets Manager
- B. Amazon Cognito
- C. Amazon Macie
- D. AWS Trusted Advisor

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Answer: D

41. A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption. Which AWS infrastructure component should the company replicate across?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

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Answer: C

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS CloudTrail

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Answer: B

43. A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud. Which service should be used to deploy the application?

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- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. Amazon EC2
- D. AWS OpsWorks

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Answer: B

44. Which AWS Trusted Advisor check is available to all AWS users?

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- A. Core checks
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

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Answer: A

45. A web developer is concerned that a DDoS attack could target an application. Which AWS services or features can help protect against such an attack? (Choose two.)

- A. AWS Shield
- B. AWS CloudTrail
- C. Amazon CloudFront
- D. AWS Support Center
- E. AWS Service Health Dashboard

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Answer: A C

46. Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

- A. AWS Config
- B. Amazon GuardDuty
- C. AWS Trusted Advisor
- D. AWS Artifact

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47. A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs). Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Choose two.)

- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

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Answer: B E

48. A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources. Which AWS service should the company use?

- A. AWS Config
- B. AWS Secrets Manager
- C. AWS CloudTrail
- D. AWS Trusted Advisor

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Answer: A

49. What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Choose two.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

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Answer: A D

50. A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances. What pricing model will minimize cost while ensuring that compute resources remain available?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

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Answer: D

51. Which tool can be used to identify scheduled changes to the AWS infrastructure?



C. Billing Dashboard

D. AWS Config

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Answer: A

52. Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

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Answer: B

53. What tool enables customers without an AWS account to estimate costs for almost all AWS services?

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- A. Cost Explorer
- B. TCO Calculator
- C. AWS Budgets
- D. Simple Monthly Calculator

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Answer: D

54. Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
- B. VPC endpoint
- C. VPN connection
- D. Internet gateway

▼ Reveal

Answer: D

55. Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

- A. Spot Instance
- B. On-Demand Instance
- C. Partial Upfront Reserved Instance
- D. No Upfront Reserved Instance

▼ Reveal

Answer: C

56. A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage. Which set of tasks would meet this requirement?

- C. Migrate to Amazon RDS and enable Multi-AZ
- D. Enable termination protection for the EC2 instance to avoid outages

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Answer: C

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57. A company wants to ensure that AWS Management Console users are meeting password complexity requirements. How can the company configure password complexity?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy
- D. Using an AWS Security Hub managed insight

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Answer: C

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58. Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

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Answer: A

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59. Which of the following tasks is required to deploy a PCI-compliant workload on AWS?

- A. Use any AWS service and implement PCI controls at the application layer
- B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer
- C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service
- D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

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Answer: D

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60. A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order. Which AWS service should the company use?

- A. AWS Step Functions
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Kinesis Data Streams
- D. Amazon Simple Queue Service (Amazon SQS)

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Answer: D



aggregated bill.

Which option allows Any Company to receive a single bill?

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- A. Example Corp must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing. > Professional Scrub
- B. Any Company must create a new support case in the AWS Support Center requesting that both bills be combined. Part 3
- C. Send an invitation to join the organization from Any Company's AWS Organizations master account to Example Corp. (<https://www.aws-scrum-master-2->
- D. Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the Any Company AWS account. scrum-master-2-

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Answer: C

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Answer: B

2. A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this issue?

- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

▼ Reveal

Answer: B

3. A user has a stateful workload that will run on Amazon EC2 for the next 3 years. What is the MOST cost-effective pricing model for this workload?

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

▼ Reveal

Answer: B

- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host
- D. Spot Instance

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Answer: A

5. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

- A. Providing high-performance container orchestration
- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

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Answer: C D

6. A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

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- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

▼ Reveal

Answer: A E

7. Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

▼ Reveal

Answer: D

8. Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC



▼ Reveal

9. A user is planning to migrate an application workload to the AWS Cloud. Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

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Answer: B

10. Which services can be used to deploy applications on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS Config
- C. AWS OpsWorks
- D. AWS Application Discovery Service
- E. Amazon Kinesis

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Answer: A C

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11. Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

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▼ Reveal

Answer: D

12. A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.
- D. AWS Organizations.

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Answer: D

13. Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually



Answer: C

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14. What is a characteristic of Convertible Reserved Instances (RIs)?

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

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Answer: A

15. The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

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Answer: B

16. An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS. What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

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Answer: C

17. Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

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Answer: A D

18. What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival



Answer: C

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19. A company has multiple data sources across the organization and wants to consolidate data into one data warehouse. Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

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Answer: B

20. What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

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Answer: A

21. During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

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Answer: C

22. A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption. Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

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Answer: B

23. A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?



C. AWS VPN

D. Amazon S3

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Answer: A

24. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

A. Amazon DynamoDB

B. Amazon Athena

C. Amazon RDS

D. Amazon EMR

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Answer: C

25. Which of the following assist in identifying costs by department? (Choose two.)

A. Using tags on resources

B. Using multiple AWS accounts

C. Using an account manager

D. Using AWS Trusted Advisor

E. Using Consolidated Billing

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Answer: A B

26. A company wants to allow full access to an Amazon S3 bucket for a particular user. Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

A. Principal

B. Action

C. Resource

D. Statement

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Answer: A

27. Which AWS service allows for effective cost management of multiple AWS accounts?

A. AWS Organizations

B. AWS Trusted Advisor

C. AWS Direct Connect

D. Amazon Connect

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Answer: A

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

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Answer: C

29. Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

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Answer: D

30. Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

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Answer: C E

31. Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

▼ Reveal

Answer: C

32. Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

▼ Reveal

33. What is the MOST effective resource for staying up to date on AWS security announcements?

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- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

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Answer: C

34. Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

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Answer: C

35. Which of the following allows AWS users to manage cost allocations for billing?

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- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

▼ Reveal

Answer: A

36. Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

▼ Reveal

Answer: C

37. Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB
- E. Amazon Redshift

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38. Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

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- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

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Answer: A C

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39. Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

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Answer: C

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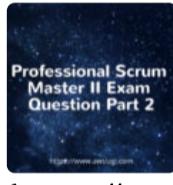
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1. Which AWS service or resource helps on-premises applications connect to AWS Cloud-based storage and caches the data locally for low-latency access? ^

- C. Amazon S3
- D. AWS Snowball Edge

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Answer: B

2. An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season. Which advantages of moving to the AWS Cloud would MOST benefit the company? (Choose two.)

- A. Global footprint
- B. Elasticity
- C. AWS service quotas
- D. AWS shared responsibility model
- E. Pay-as-you-go pricing

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Answer: B E

3. A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers. How can the company meet this requirement?

- A. Place the EC2 instances in two separate AWS Regions connected with a VPC peering connection.
- B. Place the EC2 instances in two separate Availability Zones within the same AWS Region.
- C. Place one EC2 instance on premises and the other in an AWS Region. Then connect them by using an AWS VPN connection.
- D. Place both EC2 instances in a placement group for dedicated bandwidth.

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Answer: D

4. Which AWS service supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co-location environments, or on-premises facilities?

- A. AWS Snowmobile
- B. AWS Local Zones
- C. AWS Outposts
- D. AWS Fargate

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Answer: C

5. A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources. Which advantage of the AWS Cloud matches the company's requirements?

- A. Reliability
- B. Global reach
- C. Economies of scale
- D. Pay-as-you-go pricing



Answer: A

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6. A retail company wants to provision only the necessary amount of resources to handle the current demand. Which cloud benefit is the company trying to achieve with this goal?

- A. Reliability
- B. Global reach
- C. Scalability
- D. High availability

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Answer: C

7. A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration. Which AWS service supports this use case?

- A. Amazon EC2
- B. Amazon Lightsail
- C. Amazon S3
- D. AWS Lambda

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Answer: C

8. Which AWS service or feature allows a user to set up consolidated billing?

- A. AWS Billing Management Console
- B. AWS Organizations
- C. AWS Cost and Usage Report
- D. AWS Systems Manager

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Answer: B

9. Which AWS service can be used to encrypt data at rest?

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Security Hub
- D. AWS Key Management Service (AWS KMS)

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Answer: D

10. What is an IAM best practice for AWS account root user access keys?

- A. Delete all root user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to access production database instances.



Answer: A

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11. A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center. Which AWS services or resources should the company use? (Choose two.)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

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Answer: B C

12. Elasticity in the AWS Cloud refers to which of the following? (Choose two.)

- A. How quickly an Amazon EC2 instance can be restarted
- B. The ability to rightsize resources as demand shifts
- C. The maximum amount of RAM an Amazon EC2 instance can use
- D. The pay-as-you-go billing model
- E. How easily resources can be produced when they are needed

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Answer: B E

13. A company wants to migrate to AWS and use the same security software it uses on premises. The security software vendor offers its security software as a service on AWS. Where can the company purchase the security solution?

- A. AWS Partner Solutions Finder
- B. AWS Support Center
- C. AWS Management Console
- D. AWS Marketplace

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Answer: D

14. A company needs to improve the response rate of high-volume queries to its relational database. Which AWS service should the company use to offload requests to the database and improve overall response times?

- A. Amazon DynamoDB Accelerator (DAX)
- B. Amazon ElastiCache
- C. Elastic Load Balancing
- D. AWS Global Accelerator

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Answer: A

15. Which AWS services or features enable users to connect on-premises networks to a VPC? (Choose two.)



- C. AWS Direct Connect
- D. VPC peering
- E. Amazon CloudFront

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Answer: A D

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16. Which pillar of the AWS Well-Architected Framework specifies that resources be provisioned in a timely manner and scale as needed to maintain effectiveness as demand changes?

- A. Cost optimization
- B. Security
- C. Operational excellence
- D. Performance efficiency

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Answer: D

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17. An IT department provisions more servers than are needed to run a workload. Which cloud architecture design principle supports changing this approach?

- A. Protect data in transit and at rest.
- B. Stop guessing capacity.
- C. Improve through game days.
- D. Annotate documentation.

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Answer: B

18. A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported for management review. Which AWS service or feature should be used to accomplish these tasks?

- A. Cost Explorer
- B. Amazon QuickSight
- C. AWS Pricing Calculator
- D. AWS Budgets

▼ Reveal

Answer: C

19. Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon CloudWatch

▼ Reveal

Answer: C

running the application on AWS. What should the company do to meet this requirement?

- A. Take advantage of AWS on-demand pricing.
- B. Use the AWS Pricing Calculator to generate an approximate dollar amount.
- C. Use Amazon QuickSight to analyze current on-premises spending.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

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Answer: B

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21. A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users. Which AWS architectural approach will MOST effectively support these requirements?

- A. Single-Region, Multi-AZ architecture
- B. Multi-Region, active-active architecture
- C. Multi-Region, active-passive architecture
- D. Single-Region, Single-AZ architecture

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Answer: B

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22. Which AWS service or feature for technical assistance is available to a user who has the AWS Basic Support plan?

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- A. AWS senior support engineers
- B. AWS technical account manager (TAM)
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

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Answer: A

23. A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity. Which AWS service meets these requirements?

- A. Amazon S3 Glacier
- B. AWS Storage Gateway
- C. AWS Backup
- D. Amazon Elastic File System (Amazon EFS)

▼ Reveal

Answer: B

24. When an Amazon EC2 instance is terminated, which AWS service can identify the user that made the API call?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS X-Ray
- D. AWS Identity and Access Management (IAM)

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25. Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

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- A. Patch management controls
- B. Awareness and training controls
- C. Physical and environmental controls
- D. Configuration management controls

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Answer: C

26. Which feature can be used to protect Amazon S3 buckets from accidental overwrites or deletes?

- A. Lifecycle policy
- B. Object versioning
- C. Server-side encryption
- D. Bucket ACL

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Answer: B

27. Which of the following are AWS security best practices for using AWS Identity and Access Management (IAM) to manage an AWS account root user? (Choose two.)

- A. Set up multi-factor authentication (MFA) for the root user.
- B. Remove all IAM policies from the root user.
- C. Delete the root user access keys.
- D. Use the root user for daily tasks.
- E. Assign a read-only access policy to the root user.

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Answer: A E

28. Service control policies (SCPs) manage permissions for which of the following?

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations
- D. Edge locations

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Answer: C

29. A database administrator is trying to determine who deleted a critical Amazon Redshift cluster. Which AWS service helps with monitoring and retaining this type of account activity?

- A. AWS CloudTrail
- B. AWS Organizations
- C. AWS Identity and Access Management (IAM)
- D. AWS Trusted Advisor

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Answer: A

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30. Which pillar of the AWS Well-Architected Framework includes the AWS shared responsibility model?

- A. Operational excellence
- B. Performance efficiency
- C. Reliability
- D. Security

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Answer: D

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31. A company runs its business-critical web application on Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB. The workload spikes up to 10 times the normal workload multiple times during the day. Which AWS Cloud feature enables the company to meet these changes in demand?

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- A. Agility
- B. Global reach
- C. Scalability
- D. Security

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Answer: C

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32. A company's traffic logs show that IP addresses owned by AWS are being used in an attempt to flood ports on system resources. To whom should the cloud practitioner report this issue?

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- A. AWS Professional Services
- B. AWS Abuse team
- C. AWS Partner Network (APN)
- D. AWS technical account manager (TAM)

▼ Reveal

Answer: B

33. An Amazon EC2 instance previously used for development is inaccessible and no longer appears in the AWS Management Console. Which AWS service should be used to determine what action made this EC2 instance inaccessible?

- A. Amazon CloudWatch Logs
- B. AWS Security Hub
- C. Amazon Inspector
- D. AWS CloudTrail

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Answer: D

34. Which AWS service is a highly available and scalable DNS web service?



C. Amazon Route 53

D. Amazon Connect

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Answer: C

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35. A company is moving its office and must establish an encrypted connection to AWS. Which AWS service will help meet this requirement?

- A. AWS VPN
 - B. Amazon Route 53
 - C. Amazon API Gateway
 - D. Amazon Connect

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Answer: A

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36. Which statement explains the benefit of agility in the AWS Cloud?

- A. Agility gives users the ability to host applications in multiple AWS Regions around the world.
 - B. Agility gives users the ability to pay upfront to reduce cost.
 - C. Agility provides customizable physical hardware at the lowest possible cost.
 - D. Agility provides the means for users to provision resources in minutes.

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Answer: D

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37. Which of the following are user authentication services managed by AWS? (Choose two.)

- A. Amazon Cognito
 - B. AWS Lambda
 - C. AWS License Manager
 - D. AWS Identity and Access Management (IAM)
 - E. AWS CodeStar

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Answer: A D

38. Which AWS service or tool helps identify underutilized Amazon EC2 instances and idle Amazon RDS DB instances at no additional charge?

- A. Cost Explorer
 - B. AWS Budgets
 - C. AWS Organizations
 - D. AWS Trusted Advisor

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Answer: D

- A. Physical security of AWS facilities
- B. Configuration of security groups
- C. Encryption of customer data on AWS
- D. Management of AWS Lambda infrastructure
- E. Management of network throughput of each AWS Region

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Answer: D E

40. A user should contact the AWS Abuse team to report which situations? (Choose two.)

- A. A DDoS attack is being made on an AWS resource.
- B. A SQL injection attack is being made from an IP address that is not an AWS address.
- C. AWS resources are being used to host objectionable or illegal content.
- D. A company's resources are being used in a way that is inconsistent with corporate policy.
- E. A company is receiving HTTPS requests on a web server that is serving HTTP.

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41. A company uses Amazon DynamoDB in its AWS Cloud architecture. According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Choose two.)

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- A. Operating system patching and upgrades
- B. Application of appropriate permissions with IAM tools
- C. Configuration of data encryption options
- D. Creation of DynamoDB endpoints
- E. Infrastructure provisioning and maintenance

▼ Reveal

Answer: B D

42. What should a user do to deploy an application in geographically separate locations?

- A. Deploy the application in different placement groups.
- B. Deploy the application to a VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Deploy the application by using Amazon CloudFront.

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Answer: C

43. A company wants to rightsize its infrastructure to control costs. At which points should the company rightsize? (Choose two.)

- A. Rightsize before a migration occurs to the cloud.
- B. Rightsize continuously after the cloud onboarding process.
- C. Rightsize when AWS Support calls and explains that rightsizing is needed.
- D. Rightsize when seasonal workloads are at their peak.
- E. Rightsize after purchasing all Reserved Instances.



Answer: D E

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44. Which tasks should a user perform if the user suspects that an AWS account has been compromised? (Choose two.)

- A. Remove any multi-factor authentication (MFA) tokens.
- B. Rotate and delete all AWS access keys.
- C. Move resources to a different AWS Region.
- D. Delete AWS CloudTrail resources.
- E. Contact AWS Support.

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Answer: B E

45. A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speed. Which AWS service meets these requirements?

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- A. Amazon CloudFront
- B. Elastic Load Balancing
- C. Amazon S3
- D. Amazon Elastic Transcoder

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Answer: A

46. Which AWS Cloud benefit is shown by an architecture's ability to withstand failures with minimal downtime?

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- A. Agility
- B. Elasticity
- C. Scalability
- D. High availability

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Answer: D

47. A company is moving its development and test environments to AWS to increase agility and reduce cost. Because these are not production workloads and the servers are not fully utilized, occasional unavailability is acceptable. What is the MOST cost-effective Amazon EC2 pricing model that will meet these requirements?

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances
- D. Dedicated Instances

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Answer: C

48. Which guidelines are key AWS architectural design principles? (Choose two.)



- C. Use tightly coupled components.
- D. Use managed services when possible.
- E. Design for human interaction

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49. What is the LEAST expensive AWS Support plan that provides 24-hour access to AWS customer service and AWS communities?

- A. AWS Enterprise Support
- B. AWS Business Support
- C. AWS Developer Support
- D. AWS Basic Support

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Answer: D

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50. A company with AWS Enterprise Support has questions about its consolidated bill. Which AWS service, feature, or tool should the company use for assistance?

- A. AWS Pricing Calculator
- B. AWS Concierge Support
- C. AWS Trusted Advisor
- D. AWS Budgets

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Answer: C

51. A company needs to perform a one-time migration of 40TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity. Which AWS service will meet these requirements?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS Storage Gateway
- D. Amazon S3 Transfer Acceleration

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Answer: A

52. A company uses Amazon S3 buckets. One of the company's departments enabled S3 CrossRegion Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual. Which AWS service or feature can the company use to confirm that the cost increase was caused by the data replication?

- A. Consolidated billing
- B. Cost Explorer
- C. AWS Pricing Calculator
- D. AWS Trusted Advisor



Answer: B

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53. A company wants to store data with high availability, encrypt the data at rest, and have direct access to the data over the internet. Which AWS service will meet these requirements MOST cost-effectively?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. Amazon Elastic File System (Amazon EFS)
- D. AWS Storage Gateway

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Answer: B

54. How do AWS users trade infrastructure expenses for operational expenses?

- A. Secure their physical infrastructure to prevent malicious attacks.
- B. Use AWS Budgets to ensure that spending on AWS resources does not exceed preset thresholds.
- C. Eliminate the electricity costs that are associated with the hosting of physical servers.
- D. Use AWS Auto Scaling to dynamically increase and decrease compute resources as needed.

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Answer: D

55. A network engineer needs to establish a dedicated 10 Gbps network connection from an on-premises environment to AWS. Which AWS service or feature should the engineer use?

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS PrivateLink
- D. AWS VPN

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Answer: B

56. Which AWS service or feature provides an online, managed software catalog that helps users purchase and deploy third-party software?

- A. AWS Support
- B. AWS Marketplace
- C. Amazon EC2 private Amazon Machine Images (AMIs)
- D. AWS reseller programs

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Answer: B

57. A company has a Java web application. The company wants to use auto deployment to create the AWS environment and deploy new versions of its application. Which AWS service will meet these requirements?



C. AWS Control Tower

D. Amazon EC2

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Answer: B

58. Which action will provide documentation to help a company evaluate whether its use of the AWS Cloud is compliant with local regulatory standards?

- A. Running Amazon GuardDuty
- B. Using AWS Artifact
- C. Creating an AWS Support ticket
- D. Evaluating AWS CloudTrail logs

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Answer: B

59. A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases. Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

- A. Elastic Load Balancing
- B. Amazon EC2 Auto Scaling
- C. AWS App2Container (A2C)
- D. AWS Systems Manager

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Answer: A

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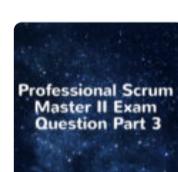
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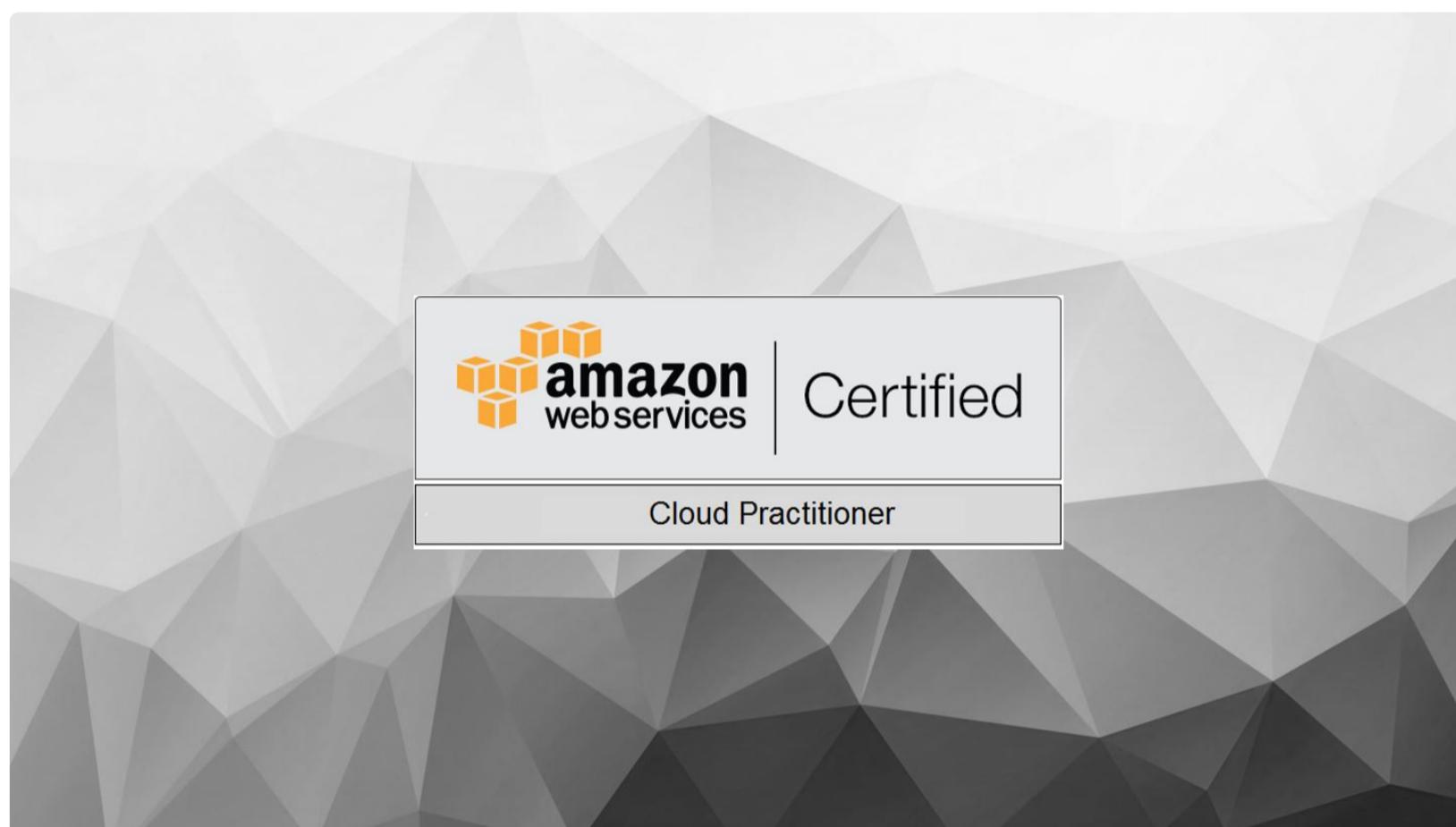
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1. Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

▼ **Reveal**

Answer: B

2. Which services are parts of the AWS serverless platform?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

▼ **Reveal**

Answer: C

3. Which of the following services is in the category of AWS serverless platform?



- C. AWS Lambda
- D. AWS Mobile Hub

▼ **Reveal**

Answer: C

4. An administrator needs to rapidly deploy a popular IT solution and start using it immediately. Where can the administrator find assistance?

- A. AWS Well-Architected Framework documentation
- B. Amazon CloudFront
- C. AWS CodeCommit
- D. AWS Quick Start reference deployments

▼ **Reveal**

Answer: D

5. One benefit of On-Demand Amazon Elastic Compute Cloud (Amazon EC2) pricing is:

- A. the ability to bid for a lower hourly cost.
- B. paying a daily rate regardless of time used.
- C. paying only for time used.
- D. pre-paying for instances and paying a lower hourly rate.

▼ **Reveal**

Answer: C

6. Which of the following tasks is the responsibility of AWS?

- A. Encrypting client-side data
- B. Configuring AWS Identity and Access Management (IAM) roles
- C. Securing the Amazon EC2 hypervisor
- D. Setting user password policies

▼ **Reveal**

Answer: C

7. Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

▼ **Reveal**

Answer: B

8. How should a customer forecast the future costs for running a new web application?



C. AWS Simple Monthly Calculator

D. AWS Cost and Usage report

▼ **Reveal**

Answer: C

9. A company will be moving from an on-premises data center to the AWS Cloud. What would be one financial difference after the move?

A. Moving from variable operational expense (opex) to upfront capital expense (capex).

B. Moving from upfront capital expense (capex) to variable capital expense (capex).

C. Moving from upfront capital expense (capex) to variable operational expense (opex).

D. Elimination of upfront capital expense (capex) and elimination of variable operational expense(opex).

▼ **Reveal**

Answer: C

10. A solution that is able to support growth in users, traffic, or data size with no drop in performance aligns with which cloud architecture principle?

A. Think parallel

B. Implement elasticity

C. Decouple your components

D. Design for failure

▼ **Reveal**

Answer: B

11. Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

A. A public and private key-pair

B. Amazon Inspector

C. AWS Identity and Access Management (IAM) policies

D. Security Groups

▼ **Reveal**

Answer: C

12. What can AWS edge locations be used for? (Choose two.)

A. Hosting applications

B. Delivering content closer to users

C. Running NoSQL database caching services

D. Reducing traffic on the server by caching responses

E. Sending notification messages to end users

▼ **Reveal**

Answer: B D

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- A. It supplies an online IT ticketing platform for resource requests.
- B. It supports automatic code validation services.
- C. It provides the ability to programmatically provision existing resources.
- D. It automates the resource request process from a company's IT vendor list.

▼ Reveal

Answer: D

14. Which AWS service can serve a static website?

- A. Amazon S3
- B. Amazon Route 53
- C. Amazon QuickSight
- D. AWS X-Ray

▼ Reveal

Answer: A

15. Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

▼ Reveal

Answer: A

16. Which AWS feature should a customer leverage to achieve high availability of an application?

- A. AWS Direct Connect
- B. Availability Zones
- C. Data centers
- D. Amazon Virtual Private Cloud (Amazon VPC)

▼ Reveal

Answer: B

17. In which scenario should Amazon EC2 Spot Instances be used?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances

▼ Reveal

Answer: D

18. Which of the following common IT tasks can AWS cover to free up company IT resources? (Choose two.)

- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

▼ Reveal

Answer: A C

19. Which AWS services can be used to gather information about AWS account activity? (Choose two.)

- A. Amazon CloudFront
- B. AWS Cloud9
- C. AWS CloudTrail
- D. AWS CloudHSM
- E. Amazon CloudWatch

▼ Reveal

Answer: C E

20. How do customers benefit from Amazon's massive economies of scale?

- A. Periodic price reductions as the result of Amazon's operational efficiencies
- B. New Amazon EC2 instance types providing the latest hardware
- C. The ability to scale up and down when needed
- D. Increased reliability in the underlying hardware of Amazon EC2 instances

▼ Reveal

Answer: A

21. If each department within a company has its own AWS account, what is one way to enable consolidated billing?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

▼ Reveal

Answer: C

22. Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Choose two.)

- A. Amazon CloudFront distributions
- B. Amazon Route 53
- C. Security Groups
- D. Subnets
- E. Elastic Load Balancing

▼ Reveal

23. Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Online Tech Talks
- C. AWS Blog
- D. AWS Forums
- E. AWS Classroom Training

▼ Reveal

Answer: B E

24. Which of the following is a component of the shared responsibility model managed entirely by AWS?

- A. Patching operating system software
- B. Encrypting data
- C. Enforcing multi-factor authentication
- D. Auditing physical data center assets

▼ Reveal

Answer: D

25. Which service is best for storing common database query results, which helps to alleviate database access load?

- A. Amazon Machine Learning
- B. Amazon SQS
- C. Amazon ElastiCache
- D. Amazon EC2 Instance Store

▼ Reveal

Answer: C

26. Amazon Relational Database Service (Amazon RDS) offers which of the following benefits over traditional database management?

- A. AWS manages the data stored in Amazon RDS tables.
- B. AWS manages the maintenance of the operating system.
- C. AWS automatically scales up instance types on demand.
- D. AWS manages the database type.

▼ Reveal

Answer: B

27. Which AWS support plan includes a dedicated Technical Account Manager?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

Answer: B

28. Which of the following is an important architectural design principle when designing cloud applications?

- A. Use multiple Availability Zones.
- B. Use tightly coupled components.
- C. Use open source software.
- D. Provision extra capacity

▼ Reveal

Answer: A

29. Which of the following services falls under the responsibility of the customer to maintain operating system configuration, security patching, and networking?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon ElastiCache
- D. AWS Fargate

▼ Reveal

Answer: B

30. Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- A. Amazon Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic Block Storage (Amazon EBS)

▼ Reveal

Answer: C

31. Which of the following security measures protect access to an AWS account? (Choose two.)

- A. Enable AWS CloudTrail.
- B. Grant least privilege access to IAM users.
- C. Create one IAM user and share with many developers and users.
- D. Enable Amazon CloudFront.
- E. Activate multi-factor authentication (MFA) for privileged users.

▼ Reveal

Answer: B E

32. Which of the following is an AWS Cloud architecture design principle?

- A. Implement single points of failure.
- B. Implement loose coupling.
- C. Implement monolithic design.
- D. Implement vertical scaling

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Answer: D

33. Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster? (Choose two.)

- A. AWS Concierge
- B. AWS CloudFormation
- C. Amazon Simple Storage Service (Amazon S3)
- D. Amazon EC2 Auto Scaling
- E. AWS Management Console

▼ Reveal

Answer: B E

34. Which AWS Cost Management tool allows you to view the most granular data about your AWS bill?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Billing dashboard

▼ Reveal

Answer: C

35. The financial benefits of using AWS are: (Choose two.)

- A. reduced Total Cost of Ownership (TCO).
- B. increased capital expenditure (capex).
- C. reduced operational expenditure (opex).
- D. deferred payment plans for startups.
- E. business credit lines for startups

▼ Reveal

Answer: A C

36. A company is migrating an application that is running non-interruptible workloads for a three-year time frame. Which pricing construct would provide the MOST cost-effective solution?

- A. Amazon EC2 Spot Instances
- B. Amazon EC2 Dedicated Instances
- C. Amazon EC2 On-Demand Instances
- D. Amazon EC2 Reserved Instances

▼ Reveal

Answer: D

37. Which AWS service can be used to manually launch instances based on resource requirements?

- C. Amazon EC2
- D. Amazon ECS

▼ **Reveal**

Answer: C

38. Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Choose two.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted
- E. Ensuring that hardware is disposed of properly

▼ **Reveal**

Answer: A C

39. Which AWS service would you use to obtain compliance reports and certificates?

- A. AWS Artifact
- B. AWS Lambda
- C. Amazon Inspector
- D. AWS Certificate Manager

▼ **Reveal**

Answer: A

40. Which AWS services are defined as global instead of regional? (Choose two.)

- A. Amazon Route 53
- B. Amazon EC2
- C. Amazon S3
- D. Amazon CloudFront
- E. Amazon DynamoDB

▼ **Reveal**

Answer: A D

41. What technology enables compute capacity to adjust as loads change?

- A. Load balancing
- B. Automatic failover
- C. Round robin
- D. Auto Scaling

▼ **Reveal**

Answer: D

42. How would an AWS customer easily apply common access controls to a large set of users?

C. Apply the same IAM policy to all IAM users with access to the same workload.

D. Apply an IAM policy to an Amazon Cognito user pool.

▼ **Reveal**

Answer: A

43. Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

A. Amazon Elastic Block Store (Amazon EBS)

B. Amazon Machine Image

C. Amazon EC2 Systems Manager

D. Amazon AppStream 2.0

▼ **Reveal**

Answer: B

44. Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

A. Conduct penetration testing using Amazon Inspector, and then notify AWS support.

B. Request and wait for approval from the customer's internal security team, and then conduct testing.

C. Notify AWS support, and then conduct testing immediately.

D. Request and wait for approval from AWS support, and then conduct testing.

▼ **Reveal**

Answer: D

45. Which of the following is an advantage of consolidated billing on AWS?

A. Volume pricing qualification

B. Shared access permissions

C. Multiple bills per account

D. Eliminates the need for tagging

▼ **Reveal**

Answer: A

46. Which AWS service provides a customized view of the health of specific AWS services that power a customer's workloads running on AWS?

A. AWS Service Health Dashboard

B. AWS X-Ray

C. AWS Personal Health Dashboard

D. Amazon CloudWatch

▼ **Reveal**

Answer: B

47. Where can AWS compliance and certification reports be downloaded?

- C. AWS Certificate Manager
- D. AWS Trusted Advisor

▼ Reveal

Answer: A

48. Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

▼ Reveal

Answer: B

49. Which design principles for cloud architecture are recommended when re-architecting a large monolithic application?
(Choose two.)

- A. Use manual monitoring.
- B. Use fixed servers.
- C. Implement loose coupling.
- D. Rely on individual components.
- E. Design for scalability.

▼ Reveal

Answer: C E

50. Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

▼ Reveal

Answer: C

51. Which of the following services could be used to deploy an application to servers running on-premises? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS OpsWorks
- C. AWS CodeDeploy
- D. AWS Batch
- E. AWS X-Ray

▼ Reveal

Answer: B C

- A. AWS Server Migration Service
- B. AWS Organizations
- C. AWS Budgets
- D. AWS Trusted Advisor

▼ **Reveal**

Answer: B

53. What is Amazon CloudWatch?

- A. A code repository with customizable build and team commit features.
- B. A metrics repository with customizable notification thresholds and channels.
- C. A security configuration repository with threat analytics.
- D. A rule repository of a web application firewall with automated vulnerability prevention features.

▼ **Reveal**

Answer: B

54. If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

▼ **Reveal**

Answer: A

55. Which AWS service provides the ability to manage infrastructure as code?

- A. AWS CodePipeline
- B. AWS CodeDeploy
- C. AWS Direct Connect
- D. AWS CloudFormation

▼ **Reveal**

Answer: D

56. When performing a cost analysis that supports physical isolation of a customer workload, which compute hosting model should be accounted for in the Total Cost of Ownership (TCO)?

- A. Dedicated Hosts
- B. Reserved Instances
- C. On-Demand Instances
- D. No Upfront Reserved Instances

▼ **Reveal**

Answer: A

- A. Permissive security removes the administrative burden.
- B. Ability to focus on revenue-generating activities.
- C. Control over cloud network hardware.
- D. Choice of specific cloud hardware vendors.

▼ **Reveal**

Answer: B

58. Where should a company go to search software listings from independent software vendors to find, test, buy and deploy software that runs on AWS?

- A. AWS Marketplace
- B. Amazon Lumberyard
- C. AWS Artifact
- D. Amazon CloudSearch

▼ **Reveal**

Answer: A

59. Which task is AWS responsible for in the shared responsibility model for security and compliance?

- A. Granting access to individuals and services
- B. Encrypting data in transit
- C. Updating Amazon EC2 host firmware
- D. Updating operating systems

▼ **Reveal**

Answer: C

60. Which of the following are categories of AWS Trusted Advisor? (Choose two.)

- A. Fault Tolerance
- B. Instance Usage
- C. Infrastructure
- D. Performance
- E. Storage Capacity

▼ **Reveal**

Answer: A D

61. Which AWS service provides alerts when an AWS event may impact a company's AWS resources?

- A. AWS Personal Health Dashboard
- B. AWS Service Health Dashboard
- C. AWS Trusted Advisor
- D. AWS Infrastructure Event Management

▼ **Reveal**

Answer: A

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. AWS Lambda
- C. Amazon DynamoDB
- D. AWS CodeCommit

▼ Reveal

Answer: B

63. Which AWS service allows companies to connect an Amazon VPC to an on-premises data center?

- A. AWS VPN
- B. Amazon Redshift
- C. API Gateway
- D. Amazon Direct Connect

▼ Reveal

Answer: D

64. Under the shared responsibility model, which of the following is a shared control between a customer and AWS?

- A. Physical controls
- B. Patch management
- C. Zone security
- D. Data center auditing

▼ Reveal

Answer: B

65. Which AWS service should be used for long-term, low-cost storage of data backups?

- A. Amazon RDS
- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

▼ Reveal

Answer: B

66. When architecting cloud applications, which of the following are a key design principle?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

▼ Reveal

Answer: D

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EFS

▼ Reveal

Answer: D

68. Which AWS managed service is used to host databases?

- A. AWS Batch
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon RDS

▼ Reveal

Answer: D

69. Which of the following security-related services does AWS offer? (Choose two.)

- A. Multi-factor authentication physical tokens
- B. AWS Trusted Advisor security checks
- C. Data encryption
- D. Automated penetration testing
- E. Amazon S3 copyrighted content detection

▼ Reveal

Answer: B C

70. Which of the following Identity and Access Management (IAM) entities is associated with an access key ID and secret access key when using AWS Command Line Interface (AWS CLI)?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

▼ Reveal

Answer: B

71. Which service provides a virtually unlimited amount of online highly durable object storage?

- A. Amazon Redshift
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon S3

▼ Reveal

72. What is the benefit of using AWS managed services, such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- A. They require the customer to monitor and replace failing instances.
- B. They have better performance than customer-managed services.
- C. They simplify patching and updating underlying OSs.
- D. They do not require the customer to optimize instance type or size selections.

▼ **Reveal**

Answer: C

73. Web servers running on Amazon EC2 access a legacy application running in a corporate data center. What term would describe this model?

- A. Cloud-native
- B. Partner network
- C. Hybrid architecture
- D. Infrastructure as a service

▼ **Reveal**

Answer: C

74. Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Choose two.)

- A. AWS Storage Gateway
- B. Amazon S3
- C. Amazon Elastic File System (EFS)
- D. Amazon Glacier
- E. Amazon CloudFront

▼ **Reveal**

Answer: B E

75. The AWS Cloud's multiple Regions are an example of

- A. agility.
- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

▼ **Reveal**

Answer: B

76. Which of the following are valid ways for a customer to interact with AWS services? (Choose two.)

- A. Command line interface
- B. On-premises
- C. Software Development Kits



▼ Reveal

Answer: A C

77. Which statement best describes Elastic Load Balancing?

- A. It translates a domain name into an IP address using DNS.
- B. It distributes incoming application traffic across one or more Amazon EC2 instances.
- C. It collects metrics on connected Amazon EC2 instances.
- D. It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

▼ Reveal

Answer: B

78. A company is looking for a scalable data warehouse solution. Which of the following AWS solutions would meet the company's needs?

- A. Amazon Simple Storage Service (Amazon S3)
- B. Amazon DynamoDB
- C. Amazon Kinesis
- D. Amazon Redshift

▼ Reveal

Answer: D

79. Which of the following AWS Cloud services can be used to run a customer-managed relational database?

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon ElastiCache
- D. Amazon DynamoDB

▼ Reveal

Answer: A

80. What is the AWS customer responsible for according to the AWS shared responsibility model?

- A. Physical access controls
- B. Data encryption
- C. Secure disposal of storage devices
- D. Environmental risk management

▼ Reveal

Answer: D

81. Which Amazon EC2 instance pricing model can provide discounts of up to 90%?



- C. Dedicated Hosts
- D. Spot Instances

▼ **Reveal**

Answer: D

82. Which storage service can be used as a low-cost option for hosting static websites?

- A. Amazon Glacier
- B. Amazon DynamoDB
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Simple Storage Service (Amazon S3)

▼ **Reveal**

Answer: D

83. A customer is deploying a new application and needs to choose an AWS Region. Which of the following factors could influence the customer's decision? (Choose two.)

- A. Reduced latency to users
- B. The application's presentation in the local language
- C. Data sovereignty compliance
- D. Cooling costs in hotter climates
- E. Proximity to the customer's office for on-site visits

▼ **Reveal**

Answer: A E

84. Which of the following is an AWS managed Domain Name System (DNS) web service?

- A. Amazon Route 53
- B. Amazon Neptune
- C. Amazon SageMaker
- D. Amazon Lightsail

▼ **Reveal**

Answer: A

85. Which of the following are features of Amazon CloudWatch Logs? (Choose two.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)
- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

▼ **Reveal**

Answer: D E

- A. Create one global AWS account and move all AWS resources to the account.
- B. Sign up for three years of Reserved Instance pricing up front.
- C. Use the consolidated billing feature from AWS Organizations.
- D. Sign up for the AWS Enterprise support plan to get volume discounts.

▼ Reveal

Answer: C

87. Which of the following is the customer's responsibility under the AWS shared responsibility model?

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

▼ Reveal

Answer: C

88. Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

- A. Fault tolerance
- B. Global reach
- C. Pay-as-you-go pricing
- D. High availability

▼ Reveal

Answer: B

89. For which auditing process does AWS have sole responsibility?

- A. AWS IAM policies
- B. Physical security
- C. Amazon S3 bucket policies
- D. AWS CloudTrail Logs

▼ Reveal

Answer: B

90. What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

- A. Using many instances in parallel
- B. Using a single large instance during off-peak hours
- C. Using dedicated hardware
- D. Using a large GPU instance type

▼ Reveal

Answer: A

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool
- D. AWS Config

▼ Reveal

Answer: B

92. What is an example of agility in the AWS Cloud?

- A. Access to multiple instance types
- B. Access to managed services
- C. Using Consolidated Billing to produce one bill
- D. Decreased acquisition time for new compute resources

▼ Reveal

Answer: D

93. Which of the following is a fast and reliable NoSQL database service?

- A. Amazon Redshift
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon S3

▼ Reveal

Answer: C

94. Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

- A. API keys
- B. Access keys
- C. User names/Passwords
- D. SSH keys

▼ Reveal

Answer: B

95. What is the lowest-cost, durable storage option for retaining database backups for immediate retrieval?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EC2 Instance Store

▼ Reveal

Answer: A

96. One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

- C. it allows the business to focus on business activities.
- D. it allows the business to leave servers unpatched.

▼ **Reveal**

Answer: C

97. How many Availability Zones should compute resources be provisioned across to achieve high availability?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three
- D. A minimum of four or more

▼ **Reveal**

Answer: B

98. Which of the following is a shared control between the customer and AWS?

- A. Providing a key for Amazon S3 client-side encryption
- B. Configuration of an Amazon EC2 instance
- C. Environmental controls of physical AWS data centers
- D. Awareness and training

▼ **Reveal**

Answer: D

99. Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

- A. Availability Zone
- B. Edge location
- C. Region
- D. Private networking

▼ **Reveal**

Answer: A

100. A customer needs to run a MySQL database that easily scales. Which AWS service should they use?

- A. Amazon Aurora
- B. Amazon Redshift
- C. Amazon DynamoDB
- D. Amazon ElastiCache

▼ **Reveal**

Answer: A

101. What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?



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- C. It automatically scales databases for loads.
- D. It enabled users to dynamically adjust CPU and RAM resources.

▼ **Reveal**

Answer: A

102. Which AWS services should be used for read/write of constantly changing data? (Choose two.)

- A. Amazon Glacier
- B. Amazon RDS
- C. AWS Snowball
- D. Amazon Redshift
- E. Amazon EFS

▼ **Reveal**

Answer: B E

103. AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Choose two.)

- A. Implementing Amazon Rekognition
- B. Using AWS Shield-protected resources
- C. Blocking access with Security Groups
- D. Using Multi-Factor Authentication (MFA)
- E. Enforcing password strength and expiration

▼ **Reveal**

Answer: D E

104. According to best practices, how should an application be designed to run in the AWS Cloud?

- A. Use tightly coupled components.
- B. Use loosely coupled components.
- C. Use infrequently coupled components.
- D. Use frequently coupled components.

▼ **Reveal**

Answer: B

105. Which is a recommended pattern for designing a highly available architecture on AWS?

- A. Ensure that components have low-latency network connectivity.
- B. Run enough Amazon EC2 instances to operate at peak load.
- C. Ensure that the application is designed to accommodate failure of any single component.
- D. Use a monolithic application that handles all operations.

▼ **Reveal**

Answer: C

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

▼ **Reveal**

Answer: B D

107. Where are AWS compliance documents, such as an SOC 1 report, located?

- A. Amazon Inspector
- B. AWS CloudTrail
- C. AWS Artifact
- D. AWS Certificate Manager

▼ **Reveal**

Answer: C

108. Which of the following services will automatically scale with an expected increase in web traffic?

- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect

▼ **Reveal**

Answer: B

109. Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- A. Shared responsibility security model
- B. Single tenancy
- C. Elastic computing
- D. Encryption

▼ **Reveal**

Answer: C

110. Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

- A. Dedicated RIs
- B. Scheduled RIs
- C. Convertible RIs
- D. Standard RIs

▼ **Reveal**

Answer: C

- A. Calling AWS Support
- B. Contacting AWS Professional Services to request a workshop
- C. Accessing forums, blogs, and whitepapers
- D. Attending AWS classes at a local university

▼ Reveal

Answer: C

112. Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

▼ Reveal

Answer: C

113. A characteristic of edge locations is that they:

- A. host Amazon EC2 instances closer to users.
- B. help lower latency and improve performance for users.
- C. cache frequently changing data without reaching the origin server.
- D. refresh data changes daily

▼ Reveal

Answer: B

114. Compared with costs in traditional and virtualized data centers, AWS has:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.
- D. lower variable costs and lower upfront costs.

▼ Reveal

Answer: D

115. Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On-Demand pricing?

- A. One-year, No Upfront, Standard RI pricing
- B. One-year, All Upfront, Convertible RI pricing
- C. Three-year, All Upfront, Standard RI pricing
- D. Three-year, No Upfront, Convertible RI pricing

▼ Reveal

Answer: C

- A. The ability to receive one bill for multiple accounts
- B. Service limits increasing by default in all accounts
- C. A fixed discount on the monthly bill
- D. Potential volume discounts, as usage in all accounts is combined
- E. The automatic extension of the master account's AWS support plan to all accounts

▼ Reveal

Answer: A D

117. Which AWS tools assist with estimating costs? (Choose three.)

- A. Detailed billing report
- B. Cost allocation tags
- C. AWS Simple Monthly Calculator
- D. AWS Total Cost of Ownership (TCO) Calculator
- E. Cost Estimator

▼ Reveal

Answer: C E

118. Which of the following is a correct relationship between regions, Availability Zones, and edge locations?

- A. Data centers contain regions.
- B. Regions contain Availability Zones.
- C. Availability Zones contain edge locations.
- D. Edge locations contain regions.

▼ Reveal

Answer: B

119. A company is considering using AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes. Which service should the company use?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store
- D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

▼ Reveal

Answer: D

120. What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

▼ Reveal

121. Which services can be used across hybrid AWS Cloud architectures? (Choose two.)

- A. Amazon Route 53
- B. Virtual Private Gateway
- C. Classic Load Balancer
- D. Auto Scaling
- E. Amazon CloudWatch default metrics

▼ Reveal

Answer: A B

122. Which of the following are characteristics of Amazon S3? (Choose two.)

- A. A global file system
- B. An object store
- C. A local file store
- D. A network file system
- E. A durable storage system

▼ Reveal

Answer: B E

123. Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. AWS Health

▼ Reveal

Answer: B

124. Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Choose two.)

- A. High availability
- B. Shared security model
- C. Elasticity
- D. Pay-as-you-go pricing
- E. Reliability

▼ Reveal

Answer: C D

125. Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

- A. Spot Instances
- B. Reserved Instances
- C. Dedicated Hosts



▼ Reveal

Answer: C

126. Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

▼ Reveal

Answer: B

127. Which AWS services can host a Microsoft SQL Server database? (Choose two.)

- A. Amazon EC2
- B. Amazon Relational Database Service (Amazon RDS)
- C. Amazon Aurora
- D. Amazon Redshift
- E. Amazon S3

▼ Reveal

Answer: B C

128. Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.
- D. Implement elasticity.

▼ Reveal

Answer: D

129. A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house. Which of the following AWS programs can a customer take advantage of to archive that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

▼ Reveal

Answer: C

130. What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty ^ practice areas?

C. AWS Professional Services

D. AWS Account Managers

▼ **Reveal**

Answer: C

131. Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

A. Amazon Glacier

B. AWS Storage Gateway

C. Amazon S3

D. Amazon EBS

▼ **Reveal**

Answer: C

132. The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

A. Cost allocation tags

B. Consolidated billing

C. AWS Budgets

D. AWS Marketplace

▼ **Reveal**

Answer: A

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1. Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

▼ Reveal

Answer: B

2. A user is planning to migrate an application workload to the AWS Cloud. Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

▼ Reveal

Answer: B

3. Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

^

Answer: B

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4. What tool enables customers without an AWS account to estimate costs for almost all AWS services?

- A. Cost Explorer
- B. TCO Calculator
- C. AWS Budgets
- D. Simple Monthly Calculator

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Answer: D

5. Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
- B. VPC endpoint
- C. VPN connection
- D. Internet gateway

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▼ Reveal

Answer: D

6. Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

- A. Spot Instance
- B. On-Demand Instance
- C. Partial Upfront Reserved Instance
- D. No Upfront Reserved Instance

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Answer: C

7. A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage. Which set of tasks would meet this requirement?

- A. Add an Application Load Balancer in front of the EC2 instance
- B. Configure EC2 Auto Recovery to move the instance to another Availability Zone
- C. Migrate to Amazon RDS and enable Multi-AZ
- D. Enable termination protection for the EC2 instance to avoid outages

▼ Reveal

Answer: C

8. A company wants to ensure that AWS Management Console users are meeting password complexity requirements. How can the company configure password complexity?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy



▼ Reveal

Answer: C

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9. Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

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Answer: A

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10. Which of the following tasks is required to deploy a PCI-compliant workload on AWS?

- A. Use any AWS service and implement PCI controls at the application layer
- B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer
- C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service
- D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

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Answer: D

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11. Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

▼ Reveal

Answer: A D

12. What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

▼ Reveal

Answer: C

13. A company has multiple data sources across the organization and wants to consolidate data into one data warehouse. Which AWS service can be used to meet this requirement?



- C. Amazon Athena
- D. Amazon QuickSight

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Answer: B

14. Which AWS service can be used to track resource changes and establish compliance?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

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Answer: C

15. A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this issue?

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- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

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▼ **Reveal**

Answer: C

16. A user has a stateful workload that will run on Amazon EC2 for the next 3 years. What is the MOST cost-effective pricing model for this workload?

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

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Answer: B

17. A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions. What is the most suitable and cost-effective option for this task?

- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host
- D. Spot Instance

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▼ **Reveal**

Answer: A

18. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

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19. A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

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Answer: C D

20. Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

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▼ Reveal

Answer: D

21. Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

▼ Reveal

Answer: A

22. A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month. What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

▼ Reveal

Answer: C

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

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▼ Reveal

Answer: D

24. Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

▼ Reveal

Answer: D

25. A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.
- D. AWS Organizations.

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▼ Reveal

Answer: D

26. Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Operational excellence
- C. Reliability
- D. Security

▼ Reveal

Answer: B

27. Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

▼ Reveal

Answer: C

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

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Answer: A

29. The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

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Answer: B

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30. An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS. What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

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Answer: C

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31. Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

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Answer: C

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32. Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

▼ Reveal

Answer: A C

A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).

B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.

C. The member account must meet the requirements of a standalone account.

D. The payer account must be used to remove the linked account from the organization.

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Answer: C

34. What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

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A. Elasticity

B. Agility

C. Security

D. Scalability

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Answer: D

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35. During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?

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A. AWS Personal Health Dashboard

B. AWS Trusted Advisor

C. AWS Artifact

D. Amazon S3

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Answer: C

36. A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption. Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

▼ Reveal

Answer: B

37. A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3



Answer: A

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38. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

- A. Amazon DynamoDB
- B. Amazon Athena
- C. Amazon RDS
- D. Amazon EMR

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Answer: C

39. Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

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Answer: A B

40. A company wants to allow full access to an Amazon S3 bucket for a particular user. Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal
- B. Action
- C. Resource
- D. Statement

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Answer: A

41. A company must store critical business data in Amazon S3 with a backup to another AWS Region. How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up to the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

► Reveal

42. Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Cost Allocation Tags
- D. AWS Organizations

▼ Reveal

43. What is the recommended method to request penetration testing on AWS resources?

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- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

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Answer: B

44. A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3. Which AWS service can meet these requirements?

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- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

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Answer: B

45. Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

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- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

▼ Reveal

Answer: D E

46. Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

▼ Reveal

Answer: C

47. Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling



Answer: D

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48. What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

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Answer: C

49. Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

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Answer: C

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50. Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

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Answer: A

51. Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

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Answer: A C

52. Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components



Answer: D

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53. A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production. How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

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Answer: A

54. Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

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Answer: B

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55. What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

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Answer: A D

56. A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements. Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

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Answer: C

57. Which AWS service or feature allows the user to manage cross-region application traffic?



C. Elastic Load Balancer

D. Amazon Route 53

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Answer: C

58. Which AWS service can be used to track unauthorized API calls?

A. AWS Config

B. AWS CloudTrail

C. AWS Trusted Advisor

D. Amazon Inspector

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Answer: B

59. A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes. Which AWS service can be used to meet these requirements?

A. AWS Trusted Advisor

B. AWS Config

C. AWS Resource Access Manager

D. AWS Systems Manager

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Answer: B

60. A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

A. Launch the instances across multiple Availability Zones in a single AWS Region.

B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.

C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.

D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

▼ Reveal

Answer: A

61. A company's application has flexible start and end times. Which Amazon EC2 pricing model will be the MOST cost-effective?

A. On-Demand Instances

B. Spot Instances

C. Reserved Instances

D. Dedicated Hosts

▼ Reveal

Answer: B

62. Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

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63. A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost, which Amazon EC2 purchasing option should be used?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Hosts

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Answer: C

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64. Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

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- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

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Answer: C

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65. Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

▼ Reveal

Answer: D

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66. A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it. Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

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Answer: A

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- A. To create a VPN connection to the VPC
- B. To allow communication between the VPC and the Internet
- C. To impose bandwidth constraints on internet traffic
- D. To load balance traffic from the Internet across Amazon EC2 instances

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68. A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention. How can these requirements be met?

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- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

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69. Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

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- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

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Answer: B

70. AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

▼ Reveal

Answer: A D

71. How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department
- D. Use AWS Organizations



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1. A company has infrastructure in one AWS Region and is expanding operations to a second AWS Region. The company is using the same AWS CloudFormation template in the second Region that the company uses in the original Region. The company attempts to launch Amazon EC2 OnDemand Instances in the second Region and receives error messages. What could cause these error messages?
- A. A new EC2 key pair has not been created for the EC2 instances.
B. The requested EC2 instance types are not available in the second Region.
C. The company cannot operate in a second Region until it updates its AWS contract.
D. The company has not configured AWS Budgets to monitor the budget for the EC2 instances.

▼ Reveal

Answer: A

2. Which of the following is a software development framework that a company can use to define cloud resources as code and provision the resources through AWS CloudFormation?

- A. AWS CLI
B. AWS Developer Center
C. AWS Cloud Development Kit (AWS CDK)
D. AWS CodeStar

▼ Reveal

Answer: C

3. Which options are available to a user who wants to contact AWS Support? (Choose two.)

- A. Create an email case in the AWS Support Center.
B. Visit a local AWS Support Center.
C. Use live chat functionality.
D. Call the customer service phone number. E. Use the video conference functionality of the AWS Support console.

▼ Reveal

4. A global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS Region that is closest to the user. What should the company do to meet these data storage requirements with the LEAST amount of operational overhead?

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- A. Use Amazon EC2 in multiple Regions to host separate databases.
- B. Use Amazon RDS cross-Region replication.
- C. Use Amazon DynamoDB global tables.
- D. Use AWS Database Migration Service (AWS DMS).

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▼ Reveal

Answer: C

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5. A company plans to store sensitive data in an Amazon S3 bucket. Which task is the responsibility of AWS?

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- A. Activate encryption at rest for the data.
- B. Provide security for the physical infrastructure.
- C. Train the company's employees about cloud security.
- D. Remove personally identifiable information (PII) from the data.

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Answer: A

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6. A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet. Which AWS service or feature can the company use to meet these requirements?

- A. Network ACL
- B. AWS WAF
- C. Route table
- D. Security group

▼ Reveal

Answer: D

7. Which of the following are AWS Trusted Advisor support categories? (Choose two.)

- A. Operational excellence
- B. Cost optimization
- C. Security
- D. Well-Architected Framework
- E. Rightsizing

▼ Reveal

Answer: B C

8. Which of the following is entirely the responsibility of AWS, according to the AWS shared responsibility model?



- C. Physical and environmental controls
- D. Development of an IAM password policy

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Answer: C

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9. Which AWS service can be used to decouple applications?

- A. AWS Config
- B. Amazon Simple Queue Service (Amazon SQS)
- C. AWS Batch
- D. Amazon Simple Email Service (Amazon SES)

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Answer: B

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10. A financial services company wants to ensure that its AWS account activity is logged to meet regulatory requirements for logging, auditing, and governance. Which AWS service meets these requirements?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. AWS Config
- D. Amazon CloudWatch

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Answer: A

11. A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances. Which pillar of the AWS Well-Architected Framework does this action cover?

- A. Security
- B. Performance efficiency
- C. Operational excellence
- D. Reliability

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Answer: D

12. A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using the only AWS services that replicate data across multiple Availability Zones. Which AWS services should the company use to meet this requirement? (Choose two.)

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Aurora
- D. Amazon DynamoDB
- E. Amazon Redshift

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13. Which AWS service uses edge locations?

- A. Amazon Aurora
- B. AWS Global Accelerator
- C. Amazon Connect
- D. AWS Outposts

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Answer: B

14. A company wants to deploy some of its resources in the AWS Cloud. To meet regulatory requirements, the data must remain local and on premises. There must be low latency between AWS and the company resources. Which AWS service or feature can be used to meet these requirements?

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- A. AWS Local Zones
- B. Availability Zones
- C. AWS Outposts
- D. AWS Wavelength Zones

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Answer: C

15. What is the LEAST expensive AWS Support plan that provides a designated AWS technical account manager (TAM)?

- A. AWS Developer Support
- B. AWS Enterprise Support
- C. AWS Basic Support
- D. AWS Business Support

▼ Reveal

Answer: B

16. Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A. IAM policies
- B. Server-side encryption
- C. Amazon GuardDuty
- D. Client-side encryption

▼ Reveal

Answer: A

17. A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application. What can the company do to meet this requirement?

- A. Set up invoiced billing.
- B. Use AWS Artifact.
- C. Set the budgets in Cost Explorer.
- D. Create cost allocation tags.



18. A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon WorkSpaces to host its internal web portal and virtual desktops for employees. What should the company do to minimize latency and ensure the best possible performance for employees?

- A. Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2. > Professional Scrum Part 3 (<https://aws.scrum-master-2.com>)
- B. Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and eu-west-2. > Professional Scrum Part 2 (<https://aws.scrum-master-2.com>)
- C. Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only. > Professional Scrum Part 2 (<https://aws.scrum-master-2.com>)
- D. Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2. > Professional Scrum Part 2 (<https://aws.scrum-master-2.com>)

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Answer: B

19. A company is considering a move to the AWS Cloud. The company wants to be able to scale its compute resources as needed to accommodate changing loads. Which benefit of the AWS Cloud does this scenario describe?

- A. Global deployments in minutes > Professional Scrum Part 3 (<https://aws.scrum-master-1.com>)
- B. Cost savings > Professional Scrum Part 2 (<https://aws.scrum-master-1.com>)
- C. Agility > Professional Scrum Part 2 (<https://aws.scrum-master-1.com>)
- D. Elasticity > Professional Scrum Part 2 (<https://aws.scrum-master-1.com>)

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Answer: D

20. A company runs its workloads on premises. The company wants to forecast the cost of running a large application on AWS. Which AWS service or tool can the company use to obtain this information?

- A. AWS Pricing Calculator
- B. AWS Budgets
- C. AWS Trusted Advisor
- D. Cost Explorer

▼ Reveal

Answer: D

21. A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections. Which AWS services can the company use to meet these requirements? (Choose two.)

- A. Amazon Connect
- B. Amazon AppStream 2.0
- C. Amazon WorkSpaces
- D. AWS Site-to-Site VPN E. Amazon Elastic Container Service (Amazon ECS)

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Answer: C D

22. Which of the following is a managed AWS service that is used specifically for extract, transform, and load (ETL) data?

- C. Amazon S3
- D. AWS Snowball Edge

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Answer: B

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23. Which AWS service is always free of charge for users?

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon EC2
- D. AWS Identity and Access Management (IAM)

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Answer: C

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24. Which AWS services can be used to store files? (Choose two.)

- A. Amazon S3
- B. AWS Lambda
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon SageMaker
- E. AWS Storage Gateway

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Answer: A C E

25. How does consolidated billing help reduce costs for a company that has multiple AWS accounts?

- A. It aggregates usage across accounts so that the company can reach volume discount thresholds sooner.
- B. It offers an additional 5% discount on purchases of All Upfront Reserved Instances.
- C. It provides a simplified billing invoice that the company can process more quickly than a standard invoice.
- D. It gives AWS resellers the ability to bill their customers for usage.

▼ Reveal

Answer: A

26. Which AWS service or feature can be used to find availability status information on all AWS services?

- A. AWS Personal Health Dashboard
- B. AWS CloudTrail
- C. AWS Service Health Dashboard
- D. Amazon CloudWatch

▼ Reveal

Answer: C

27. Which AWS service or feature provides users with recommendations for common billing questions?

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Answer: B

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28. A company wants to distribute its incoming traffic across multiple Amazon EC2 instances. Which AWS service or feature should be used to meet this requirement?

- A. Amazon Virtual Private Cloud (Amazon VPC)
- B. AWS Application Load Balancer
- C. AWS Managed VPN
- D. AWS Direct Connect

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Answer: B

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29. Which disaster recovery option is the LEAST expensive?

- A. Warm standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

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Answer: C

30. A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but the user access must be controlled in a more secure and reliable way. Which AWS service or feature will meet these requirements?

- A. Security groups
- B. Amazon GuardDuty
- C. AWS Secrets Manager
- D. Amazon Cognito

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Answer: A

31. Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain insight into operations, and continuously improve supporting processes and procedures?

- A. Cost optimization
- B. Reliability
- C. Operational excellence
- D. Performance efficiency

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Answer: C

expenses with variable expenses?

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- A. High availability
- B. Economies of scale
- C. Pay-as-you-go pricing
- D. Global reach

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Answer: C

33. A large organization has a single AWS account. What are the advantages of reconfiguring the single account into multiple AWS accounts? (Choose two.)

- A. It allows for administrative isolation between different workloads.
- B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
- C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
- D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.
- E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

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Answer: A C

34. An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting. Which AWS service should the administrator use to address these concerns?

- A. AWS WAF
- B. Amazon VPC
- C. Amazon GuardDuty
- D. Amazon CloudWatch

▼ Reveal

Answer: A

35. What does Amazon CloudFront provide?

- A. Automatic scaling for all resources to power an application from a single unified interface
- B. Secure delivery of data, videos, applications, and APIs to users globally with low latency
- C. Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo DNS, geo-proximity, and weighted round robin
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, IP addresses, and AWS Lambda functions

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Answer: B

36. Which phase describes agility as a benefit of building in the AWS Cloud?



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Answer: C

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37. A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports. Which AWS service or group can provide these documents?

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- A. AWS Abuse team
- B. AWS Artifact
- C. AWS Support
- D. AWS Config

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Answer: B

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38. Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Choose two.)

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- A. Service limits
- B. High utilization Amazon EC2 instances
- C. Security groups – specific ports unrestricted
- D. Load balancer optimization
- E. Large number of rules in an EC2 security groups

▼ Reveal

Answer: A C

39. A company has a centralized group of users with large file storage requirements that have exceeded the space available on premises. The company wants to extend its file storage capabilities for this group while retaining the performance benefit of sharing content locally. What is the MOST operationally efficient AWS solution for this scenario?

- A. Create an Amazon S3 bucket for each user. Mount each bucket by using an S3 file system mounting utility.
- B. Configure and deploy an AWS Storage Gateway file gateway. Connect each user's workstation to the file gateway.
- C. Move each user's working environment to Amazon WorkSpaces. Set up an Amazon WorkDocs account for each user.
- D. Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS volume. Share the EBS volume directly with the users.

▼ Reveal

Answer: B

40. Which network security features are supported by Amazon VPC? (Choose two.)

- A. Network ACLs
- B. Internet gateways
- C. VPC peering
- D. Security groups
- E. Firewall rules



41. A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales. Which AWS service, tool, or feature should the company use to meet this requirement?

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- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer right sizing recommendations

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Answer: B

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42. An Elastic Load Balancer allows the distribution of web traffic across multiple:

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- A. AWS Regions.
- B. Availability Zones.
- C. Dedicated Hosts.
- D. Amazon S3 buckets.

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Answer: B

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43. Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

▼ Reveal

Answer: B

44. Which AWS services make use of global edge locations? (Choose two.)

- A. AWS Fargate
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. AWS Wavelength
- E. Amazon VPC

▼ Reveal

Answer: B C

45. Which of the following are economic benefits of using AWS Cloud? (Choose two.)

- A. Consumption-based pricing
- B. Perpetual licenses
- C. Economies of scale



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Answer: A C

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46. A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances. Which benefit of the AWS Cloud does this example illustrate?
- A. High availability
 - B. Elasticity
 - C. Reliability
 - D. Global reach

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Answer: B

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47. A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants to alternate to help manage cluster size, scheduling, and environment maintenance. Which AWS service meets these requirements?
- A. AWS Lambda
 - B. Amazon RDS
 - C. AWS Fargate
 - D. Amazon Athena

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Answer: C

48. A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB. What is the MOST operationally efficient solution to delegate permissions?

- A. Create an IAM role with the required permissions. Attach the role to the EC2 instance.
- B. Create an IAM user and use its access key and secret access key in the application.
- C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance
- D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

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Answer: A C

49. Who is responsible for managing IAM user access and secret keys according to the AWS shared responsibility model?

- A. IAM access and secret keys are static, so there is no need to rotate them.
- B. The customer is responsible for rotating keys.
- C. AWS will rotate the keys whenever required.
- D. The AWS Support team will rotate keys when requested by the customer.

▼ Reveal

Answer: B



migration. Which database service would MOST effectively support these requirements?

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- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL Server

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Answer: D

51. A company wants to increase its ability to recover its infrastructure in the case of a natural disaster. Which pillar of the AWS Well-Architected Framework does this ability represent?

- A. Cost optimization
- B. Performance efficiency
- C. Reliability
- D. Security

▼ Reveal

Answer: C

52. Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

▼ Reveal

Answer: D

53. Which tasks require use of the AWS account root user? (Choose two.)

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
- E. Closing an AWS account

▼ Reveal

Answer: A E

54. Which of the following describes AWS Local Zones?

- A. A cluster of data centers in one geographic location
- B. A site used by Amazon CloudFront to cache frequently accessed content
- C. An extension of an AWS Region to more granular locations
- D. One or more data centers with redundant power and networking



55. Which AWS service or feature is highly available by default?

- A. Amazon EC2
- B. Amazon Aurora
- C. NAT instances
- D. Amazon RDS

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Answer: D

56. A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access. What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

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Answer: B

57. A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice. Which benefit of the AWS Cloud describes these abilities?

- A. Reliability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

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Answer: C

58. Which task is an AWS responsibility when a workload is running in Amazon RDS?

- A. Creating the database table
- B. Updating the database schema
- C. Installing the database engine
- D. Dropping the database records

▼ Reveal

Answer: C

59. A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine. Which AWS database service should the company choose?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Neptune



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Answer: C

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60. Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management (IAM)
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

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Answer: D

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61. Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS Batch
- D. AWS Config

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▼ Reveal

Answer: B

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62. A company has an application workload that is stateless by design and can sustain occasional downtime. The application performs massively parallel computations. Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Instances

▼ Reveal

Answer: B

63. A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. AWS Direct Connect
- D. VPC peering

▼ Reveal

Answer: C

64. According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following? ^

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Answer: B

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65. Which AWS service is a relational database compatible with MySQL and PostgreSQL?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Neptune

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Answer: C

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68. Which AWS service should a company use to continuously monitor the compliance of AWS resource configurations?

- A. AWS Organizations
- B. AWS Config
- C. AWS Artifact
- D. AWS Service Catalog

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Answer: B

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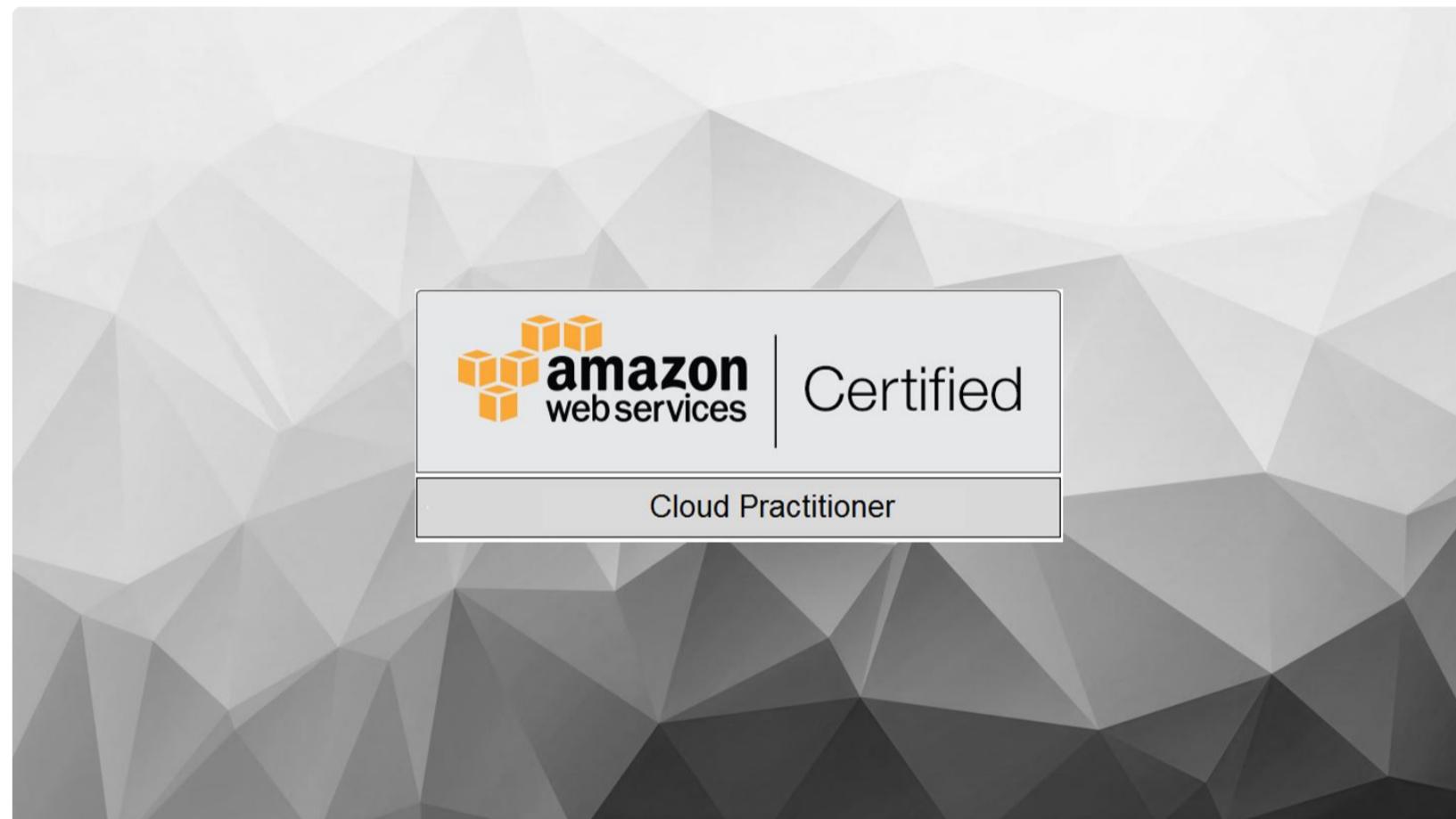
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1. How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department? (<https://www.awslagi.com/scrum-master-1>)
- A. Add department-specific tags to each resource
 - B. Create a separate VPC for each department
 - C. Create a separate AWS account for each department
 - D. Use AWS Organizations

▼ Reveal

Answer: C

2. What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

▼ Reveal

Answer: B

3. Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

- A. AWS Organizations
- B. AWS Budgets
- C. Cost Explorer
- D. AWS Trusted Advisor



Answer: B

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4. Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?
- A. Amazon GuardDuty
 - B. Amazon Inspector
 - C. Amazon Macie
 - D. AWS Shield
- Reveal**
- Answer: C
5. Which tool can be used to monitor AWS service limits?
- A. AWS Total Cost of Ownership (TCO) Calculator
 - B. AWS Trusted Advisor
 - C. AWS Personal Health Dashboard
 - D. AWS Cost and Usage report
- Reveal**
- Answer: B
6. A company has distributed its workload on both the AWS Cloud and some on-premises servers. What type of architecture is this?
- A. Virtual private network
 - B. Virtual private cloud
 - C. Hybrid cloud
 - D. Private cloud
- Reveal**
- Answer: C
7. Which of the following describes a security best practice that can be implemented using AWS IAM?
- A. Disable AWS Management Console access for all users
 - B. Generate secret keys for every IAM user
 - C. Grant permissions to users who are required to perform a given task only
 - D. Store AWS credentials within Amazon EC2 instances
- Reveal**
- Answer: C
8. What can be used to automate and manage secure, well-architected, multi-account AWS environments?
- A. AWS shared responsibility model
 - B. AWS Control Tower
 - C. AWS Security Hub
 - D. AWS Well-Architected Tool

Answer: B

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9. Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

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Answer: B

10. A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events. Which AWS managed service will meet these requirements?

- A. AWS Shield Advanced
- B. AWS Firewall Manager
- C. AWS WAF
- D. Amazon GuardDuty

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Answer: A

11. Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

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Answer: B

12. What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

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Answer: A

13. Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access



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Answer: C

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14. What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

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Answer: A

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15. Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

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Answer: A D

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16. Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

▼ Reveal

Answer: B

17. A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail. Which AWS service will provide this capability?

- A. AWS Secrets Manager
- B. AWS Systems Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Certificate Manager

▼ Reveal

Answer: C

18. Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?



C. Elasticity of the AWS Cloud

D. Lower variable costs due to massive economies of scale

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Answer: C

19. What credential components are required to gain programmatic access to an AWS account? (Choose two.)

A. An access key ID

B. A primary key

C. A secret access key

D. A user ID

E. A secondary key

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Answer: A C

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20. Which of the following are AWS compute services? (Select two.)

A. Amazon Lightsail

B. AWS Systems Manager

C. AWS CloudFormation

D. AWS Batch

E. Amazon Inspector

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Answer: A D

21. What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

A. Developer

B. Enterprise

C. Business

D. Basic

▼ Reveal

Answer: C

22. A company has deployed several relational databases on Amazon EC2 instances. Every month, the database software vendor releases new security patches that need to be applied to the databases. What is the MOST efficient way to apply the security patches?

A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.

B. Enable automatic patching for the instances using the Amazon RDS console.

C. In AWS Config, configure a rule for the instances and the required patch level.

D. Use AWS Systems Manager to automate database patching according to a schedule.

▼ Reveal

23. A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance. Based on this situation, the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

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Answer: D

24. A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency. What should the company do to reduce latency?

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- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (Sao Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

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Answer: B

25. An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process. What is the most appropriate purchasing option?

- A. Dedicated Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Reserved Instances

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Answer: C

26. Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

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Answer: B

27. Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?



C. Performance efficiency

D. Cost optimization

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Answer: A

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(<https://www.aws-scrum-master-2.com/part3>)

33. A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software. Which AWS service can be used to accomplish this?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift

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Answer: D

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34. A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic Parts

Which of the following meets these requirements?

(<https://www.aws-scrum-master-1.com/part3>)

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

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Answer: B

35. Which features and benefits does the AWS Organizations service provide? (Choose two.)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

▼ Reveal

Answer: D E

36. Which AWS service is used to automate configuration management using Chef and Puppet?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

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Answer: B

- A. Detailed billing report
- B. Consolidated billing
- C. AWS Cost and Usage report
- D. Cost allocation report

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Answer: B

38. The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags
- B. estimate savings when comparing the AWS Cloud to an on-premises environment
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

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Answer: B

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39. Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Choose two.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

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Answer: B D

40. Under the AWS shared responsibility model, which of the following are customer responsibilities? (Choose two.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

▼ Reveal

Answer: C E

41. Which method helps to optimize costs of users moving to the AWS Cloud?

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

▼ Reveal

Answer: A

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

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Answer: C

43. The AWS Cost Management tools give users the ability to do which of the following? (Choose two.)

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- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account.
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

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Answer: B C

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44. Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

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- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

▼ Reveal

Answer: B

45. Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

▼ Reveal

Answer: C

46. Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

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Answer: B

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

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Answer: A

48. What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail
- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

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Answer: B

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49. A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

- The status of Amazon S3 bucket permissions.
- Whether multi-factor authentication is enabled for the AWS account root user.
- If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

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- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report
- D. IAM credential report

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▼ Reveal

Answer: C

50. Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

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▼ Reveal

Answer: A

51. What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance.



▼ Reveal

52. The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing
- B. the AWS global infrastructure
- C. economies of scale
- D. reserved storage pricing

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Answer: C

53. A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements. How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.

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Answer: C

54. A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console. Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

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Answer: A

55. What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

▼ Reveal

Answer: B

56. Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support



Answer: B

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57. Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

- A. Amazon EC2
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift

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Answer: A B

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58. Which of the following are benefits of AWS Global Accelerator? (Choose two.)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

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Answer: B D

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59. A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

▼ Reveal

Answer: D

60. Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

▼ Reveal

Answer: D

61. Which tool is used to forecast AWS spending?

- A. AWS Trusted Advisor
- B. AWS Organizations
- C. Cost Explorer

^

▼ Reveal

Answer: C

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62. A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users. Which AWS service will support these requirements?

- A. Amazon ElastiCache
- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

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Answer: B

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63. Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

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Answer: B

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64. Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. Amazon Inspector

▼ Reveal

Answer: A

65. Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

▼ Reveal

Answer: B

66. Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)



- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

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Answer: C E

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67. IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components. This is an example of which principle of cloud architecture design?

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- A. Scalability
- B. Loose coupling
- C. Automation
- D. Automatic scaling

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▼ Reveal

Answer: B

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68. Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

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- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

▼ Reveal

Answer: A E

69. An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously. Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

▼ Reveal

Answer: B

70. A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS. Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2



Answer: B C

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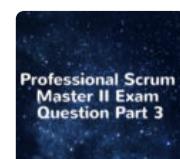
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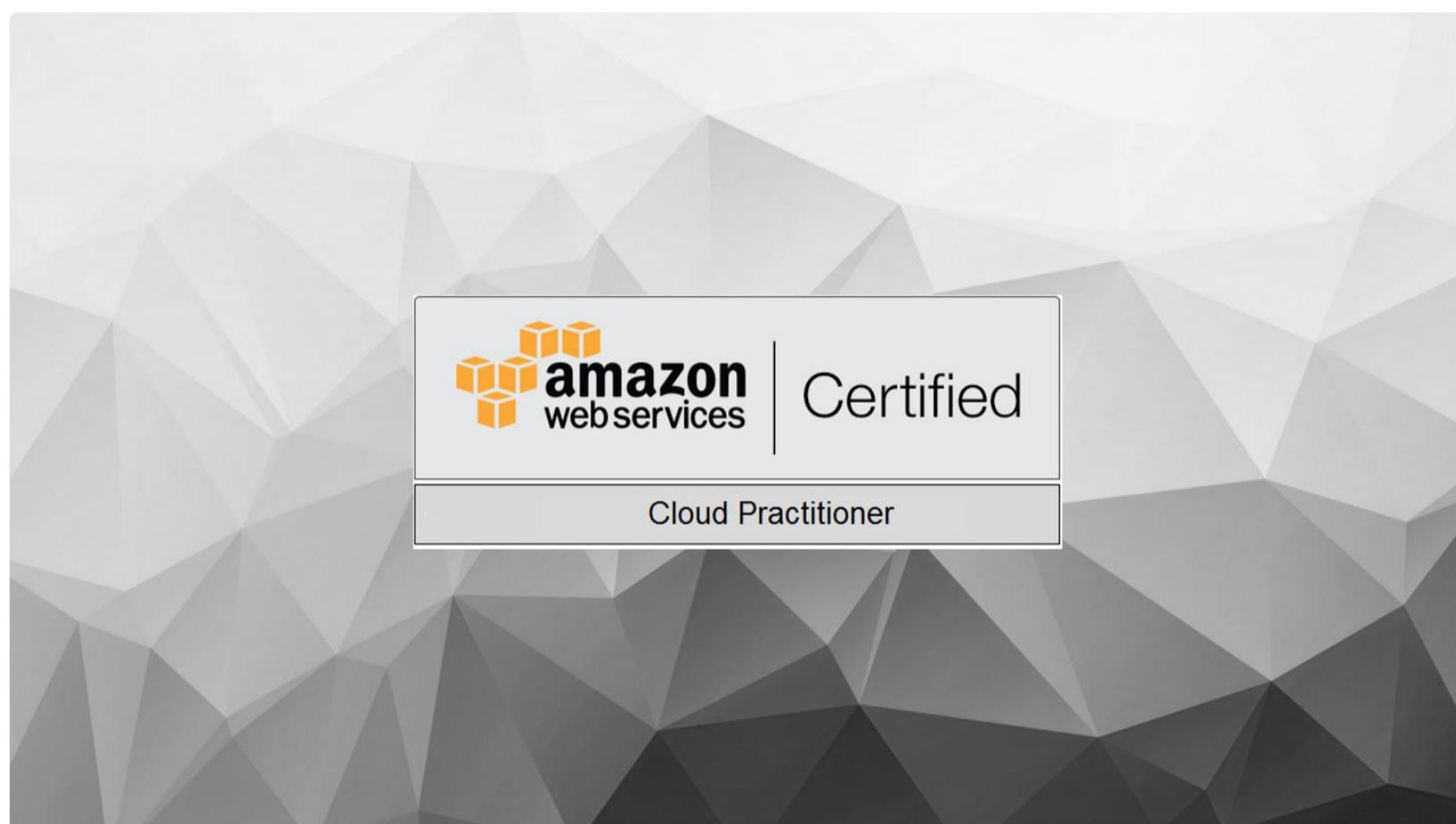
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1. According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

▼ **Reveal**

Answer: A C

2. Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS IAM

▼ **Reveal**

Answer: A

3. Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

^

Answer: C

4. Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

- A. AWS Snowball
- B. AWS Lambda
- C. AWS ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

▼ Reveal

Answer: A D

5. Which methods can be used to identify AWS costs by departments? (Choose two.)

- A. Enable multi-factor authentication for the AWS account root user.
- B. Create separate accounts for each department.
- C. Use Reserved Instances whenever possible.
- D. Use tags to associate each instance with a particular department.
- E. Pay bills using purchase orders.

▼ Reveal

Answer: B D

6. A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional. What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements.
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

▼ Reveal

Answer: B

7. Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments. How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.
- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

▼ Reveal

Answer: B

8. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition? ^

C. High availability

D. Agility

▼ Reveal

Answer: B

9. An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

A. AWS CloudTrail

B. Amazon EC2 Auto Scaling

C. Amazon Forecast

D. AWS Config

▼ Reveal

Answer: B

10. Which AWS service enables users to securely connect to AWS resources over the public internet?

A. Amazon VPC peering

B. AWS Direct Connect

C. AWS VPN

D. Amazon Pinpoint

▼ Reveal

Answer: C

11. Amazon Route 53 enables users to:

A. encrypt data in transit

B. register DNS domain names

C. generate and manage SSL certificates

D. establish a dedicated network connection to AWS

▼ Reveal

Answer: B

12. Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

A. Amazon Rekognition

B. AWS Trusted Advisor

C. Amazon GuardDuty

D. Amazon CloudWatch

▼ Reveal

Answer: C

13. A company wants to try a third-party ecommerce solution before deciding to use it long term. Which AWS service or tool will support this effort? ^

C. AWS Managed Services

D. AWS Service Catalog

▼ **Reveal**

Answer: A

14. Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for MariaDB

▼ **Reveal**

Answer: B

15. Which AWS service should be used to create a billing alarm?

- A. AWS Trusted Advisor
- B. AWS CloudTrail
- C. Amazon CloudWatch
- D. Amazon QuickSight

▼ **Reveal**

Answer: C

16. A company is hosting a web application in a Docker container on Amazon EC2. AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

▼ **Reveal**

Answer: C

17. Users are reporting latency when connecting to a website with a global customer base. Which AWS service will improve the customer experience by reducing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

▼ **Reveal**

Answer: A

18. Which actions represent best practices for using AWS IAM? (Choose two.)

- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

▼ **Reveal**

Answer: A D

19. Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

- A. AWS Config
- B. VPC Flow Logs
- C. AWS Trusted Advisor
- D. AWS CloudTrail

▼ **Reveal**

Answer: B

20. A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability. Which service will support these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. Amazon CloudFront

▼ **Reveal**

Answer: C

21. A company is planning to migrate from on-premises to the AWS Cloud. Which AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

▼ **Reveal**

Answer: A

22. What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

▼ **Reveal**

23. Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

▼ Reveal

Answer: B

24. Under the AWS shared responsibility model, the customer manages which of the following? (Choose two.)

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

▼ Reveal

Answer: B E

25. Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

▼ Reveal

Answer: C

26. What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

▼ Reveal

Answer: B

27. What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account



Answer: C

28. What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

▼ Reveal

Answer: D

29. A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market. Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility
- D. Reliability

▼ Reveal

Answer: C

30. Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

▼ Reveal

Answer: A D

31. Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources? (Choose two.)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

▼ Reveal

Answer: A D

32. Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch

^

▼ Reveal

Answer: A

33. Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Amazon CloudFront

▼ Reveal

Answer: B

34. Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

▼ Reveal

Answer: D

35. Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

▼ Reveal

Answer: A

36. AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

▼ Reveal

Answer: C

37. A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups. Which AWS service will support this use case? ^

C. Amazon DocumentDB

D. Amazon ElastiCache

▼ **Reveal**

Answer: A

38. A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

▼ **Reveal**

Answer: C

39. A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. Which Amazon EC2 instance pricing option will meet these requirements?

- A. Dedicated Hosts
- B. Dedicated Instances
- C. Spot Instances
- D. Reserved Instances

▼ **Reveal**

Answer: A

40. Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

▼ **Reveal**

Answer: C E

41. A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base. Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Choose two.)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

▼ **Reveal**

42. Which AWS service or resource is serverless?

- A. AWS Lambda
- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

▼ Reveal

Answer: A

43. Which of the following are components of Amazon VPC? (Choose two.)

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

▼ Reveal

Answer: B D

44. AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

▼ Reveal

Answer: B

45. Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

▼ Reveal

Answer: C E

46. The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account



Answer: A C

47. Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

▼ Reveal

Answer: C

48. How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

▼ Reveal

Answer: B C

49. Which of the following are advantages of the AWS Cloud? (Choose two.)

- A. AWS manages the maintenance of the cloud infrastructure
- B. AWS manages the security of applications built on AWS
- C. AWS manages capacity planning for physical servers
- D. AWS manages the development of applications on AWS
- E. AWS manages cost planning for virtual servers

▼ Reveal

Answer: A C

50. A user deploys an Amazon RDS DB instance in multiple Availability Zones. This strategy involves which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Reliability
- C. Cost optimization
- D. Security

▼ Reveal

Answer: B

51. When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)



- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

▼ **Reveal**

Answer: A C

52. Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone
- D. Distribute the compute load across multiple resources

▼ **Reveal**

Answer: D

53. Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites
- D. Require IAM users to store their passwords in raw text
- E. Disable multi-factor authentication (MFA) for IAM users

▼ **Reveal**

Answer: A B

54. A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project. How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

▼ **Reveal**

Answer: C D

55. How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases

▼ **Reveal**

Answer: C

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

▼ Reveal

Answer: A

57. A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area. According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

▼ Reveal

Answer: B

58. Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Simple Monthly Calculator
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. Cost Explorer

▼ Reveal

Answer: C

59. A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only. Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

▼ Reveal

Answer: C

60. Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

Answer: B

61. Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

▼ Reveal

Answer: B

62. What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

▼ Reveal

Answer: C

63. What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is being used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

▼ Reveal

Answer: D

64. How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

▼ Reveal

Answer: A

65. Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

▼ Reveal

66. Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

▼ Reveal

Answer: A

67. Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

▼ Reveal

Answer: A

68. Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

▼ Reveal

Answer: A

69. What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

▼ Reveal

Answer: C

70. Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

▼ Reveal

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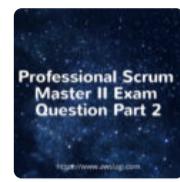
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1. A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources. Which AWS service should the company use?



C. AWS CloudTrail

D. AWS Trusted Advisor

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Answer: A

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2. A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs). Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Choose two.)

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- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

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Answer: B E

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3. Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

- A. AWS Config
- B. Amazon GuardDuty
- C. AWS Trusted Advisor
- D. AWS Artifact

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Answer: D

4. A web developer is concerned that a DDoS attack could target an application. Which AWS services or features can help protect against such an attack? (Choose two.)

- A. AWS Shield
- B. AWS CloudTrail
- C. Amazon CloudFront
- D. AWS Support Center
- E. AWS Service Health Dashboard

▼ Reveal

Answer: A C

5. Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

▼ Reveal

6. A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud. [Recent Posts](#)
Which service should be used to deploy the application?

- A. AWS CloudFormation
 - B. AWS Elastic Beanstalk
 - C. Amazon EC2
 - D. AWS OpsWorks
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Answer: B

7. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold? [Recent Posts](#)
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- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS CloudTrail

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Answer: B

8. AnyCompany recently purchased Example Corp. Both companies use AWS resources, and AnyCompany wants a single aggregated bill. Which option allows AnyCompany to receive a single bill? [Recent Posts](#)
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- A. Example Corp. must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing.
- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

▼ Reveal

Answer: C

9. A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order. Which AWS service should the company use?

- A. AWS Step Functions
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Kinesis Data Streams
- D. Amazon Simple Queue Service (Amazon SQS)

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Answer: D

10. Which AWS services offer compute capabilities? (Choose two.)



C. Amazon Elastic Block Store (Amazon EBS)

D. Amazon Cognito

E. AWS Lambda

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11. Which AWS service or feature requires an internet service provider (ISP) and a colocation facility to be implemented?

A. AWS VPN

B. Amazon Connect

C. AWS Direct Connect

D. Internet gateway

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12. Which AWS service allows customers to purchase unused Amazon EC2 capacity at an often discounted rate?

A. Reserved Instances

B. On-Demand Instances

C. Dedicated Instances

D. Spot Instances

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13. Which AWS service provides the ability to host a NoSQL database in the AWS Cloud?

A. Amazon Aurora

B. Amazon DynamoDB

C. Amazon RDS

D. Amazon Redshift

▼ Reveal

Answer: B

14. A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

A. AWS Budgets

B. Cost Explorer

C. AWS CloudTrail

D. Amazon Macie

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Answer: A

15. What is the customer's responsibility when using AWS Lambda?

C. Platform management

D. Code encryption

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Answer: B

16. Which of the following is the customer's responsibility when using Amazon RDS?

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

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Answer: B

17. Which tool can be used to identify scheduled changes to the AWS infrastructure?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. Billing Dashboard
- D. AWS Config

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Answer: D

18. A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances. What pricing model will minimize cost while ensuring that compute resources remain available?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

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Answer: D

19. What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Choose two.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

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Answer: A D

- A. EC2 Dedicated Instances
- B. EC2 Spot Instances
- C. EC2 Reserved Instances
- D. EC2 On-Demand Instances

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Answer: C

21. How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone.
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in an Auto Scaling group.

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Answer: A

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22. A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting. Which AWS service should the company use?

- A. Amazon GuardDuty
- B. AWS WAF
- C. AWS Trusted Advisor
- D. Amazon Inspector

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Answer: B

23. Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

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Answer: B

24. A company wants to connect to AWS over a private, low-latency connection from its remote office. What is the recommended method to meet these requirements?

- A. Create a VPN tunnel
- B. Connect across the public internet
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

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25. Which AWS Cloud design principles can help increase reliability? (Choose two.)

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- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures
- D. Adopting a consumption model
- E. Automatically recovering from failure

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Answer: C E

26. Which AWS service or feature is used to send both text and email messages from distributed applications?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

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Answer: A

27. A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption. Which AWS infrastructure component should the company replicate across?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

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Answer: C

28. Which AWS service should a cloud practitioner use to identify security vulnerabilities of an AWS account?

- A. AWS Secrets Manager
- B. Amazon Cognito
- C. Amazon Macie
- D. AWS Trusted Advisor

▼ Reveal

Answer: D

29. Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar



Answer: B

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30. Which AWS service or feature can be used to prevent SQL injection attacks?

- A. Security groups
- B. Network ACLs
- C. AWS WAF
- D. IAM policy

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Answer: C

31. How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

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Answer: B

32. A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in various AWS accounts that it wants to interconnect. Which AWS service or feature should the company use to help simplify management and reduce operational costs?

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(<https://www.aws-scrum-master-1.com/>)

- A. VPC endpoint
- B. AWS Direct Connect
- C. AWS Transit Gateway
- D. VPC peering

▼ Reveal

Answer: C

33. Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

- A. Pay-as-you-go pricing
- B. High availability
- C. Global reach
- D. Economies of scale

▼ Reveal

Answer: A

34. The AWS IAM best practice for granting least privilege is to:

- A. apply an IAM policy to an IAM group and limit the size of the group.
- B. require multi-factor authentication (MFA) for all IAM users.
- C. require each IAM user who has different permissions to have multiple passwords.

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Answer: D

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35. A company is building an application that needs to deliver images and videos globally with minimal latency. Which approach can the company use to accomplish this in a cost effective manner?

- A. Deliver the content through Amazon CloudFront.
- B. Store the content on Amazon S3 and enable S3 cross-region replication.
- C. Implement a VPN across multiple AWS Regions.
- D. Deliver the content through AWS PrivateLink.

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Answer: A

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36. A company wants to track AWS resource configuration changes for compliance reasons. Which AWS feature can be used to meet this requirement?

- A. AWS Cost and Usage Report
- B. AWS Organizations service control policies (SCPs)
- C. AWS Config rules
- D. VPC Flow Logs

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Answer: C

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37. A company is expecting a short-term spike in internet traffic for its application. During the traffic increase, the application cannot be interrupted. The company also needs to minimize cost and maximize flexibility. Which Amazon EC2 instance type should the company use to meet these requirements?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

▼ Reveal

Answer: A

38. What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)

- A. Volume discounts
- B. A minimal additional fee for use
- C. One bill for multiple accounts
- D. Installment payment options
- E. Custom cost and usage budget creation

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Answer: A C

A. Create an IAM user account for the auditor, granting the auditor administrator permissions.

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B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.

C. Download the IAM credential report, then provide the report to the auditor.

D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

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Answer: C

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40. A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud. Which AWS service should the company use?

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A. AWS Snowball

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B. AWS Global Accelerator

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C. Amazon S3 Transfer Acceleration

D. Amazon Connect

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Answer: A

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(<https://www.aws-scrum-master-1.com>)

41. Which of the following services can be used to block network traffic to an instance? (Choose two.)

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A. Security groups

(<https://www.aws-scrum-master-1.com>)

B. Amazon Virtual Private Cloud (Amazon VPC) flow logs

C. Network ACLs

D. Amazon CloudWatch

E. AWS CloudTrail

▼ Reveal

Answer: A C

42. According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

A. Network infrastructure and virtualization of infrastructure

B. Security of application data

C. Guest operating systems

D. Physical security of hardware

E. Credentials and policies

▼ Reveal

Answer: A D

43. A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources. Which AWS tool or service can be used to meet these requirements?

A. Amazon CloudWatch

B. Amazon Inspector

C. AWS Cloud Trail

D. AWS IAM



Answer: C

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44. Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

- A. Creating versions of Lambda functions
- B. Maintaining server and operating systems
- C. Scaling Lambda resources according to demand
- D. Updating the Lambda runtime environment

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(<https://www.aws-scrum-master-2.com/part3.html>)

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Answer: A

45. Which AWS service automatically handles application health monitoring?

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. AWS Config

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Answer: B

46. A user can increase operational efficiency in the AWS Cloud by:

- A. leveraging AWS managed services.
- B. right-sizing AWS infrastructure.
- C. manually creating all necessary resources.
- D. managing their own software license.

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Answer: A

47. According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

▼ Reveal

Answer: C

48. Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities? (Choose two.)

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases



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Answer: C E

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49. Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

- A. Amazon CloudFront
 - B. Amazon GuardDuty
 - C. Amazon Route 53
 - D. AWS Trusted Advisor

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50. Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification setup
 - B. Refresh checks
 - C. AWS Support API
 - D. Action links

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51. The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
 - B. Data centers
 - C. Dark fiber network links
 - D. Edge locations

◀ Reveal

Answer: D

52. A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds. Which AWS service will meet these requirements?

- A. Amazon CloudFront
 - B. AWS Global Accelerator
 - C. AWS Direct Connect
 - D. Amazon Connect

◀ Reveal

Answer: A

53. A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

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Answer: B

54. Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?

- A. AWS Config
- B. AWS Systems Manager
- C. AWS Personal Health Dashboard
- D. AWS Trusted Advisor

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Answer: C

55. Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

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Answer: C

56. A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

▼ Reveal

Answer: D

57. Which of the following is an AWS best practice for managing an AWS account root user?

- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user.
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

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Answer: B

- A. AWS WAF
- B. Amazon CloudWatch
- C. Amazon CloudFront
- D. AWS CloudFormation

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Answer: C

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59. A company has refined its workload to use specific AWS services to improve efficiency and reduce cost. Which best practice for cost governance does this example show?

- A. Resource controls
- B. Cost allocation
- C. Architecture optimization
- D. Tagging enforcement

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Answer: C

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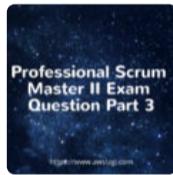
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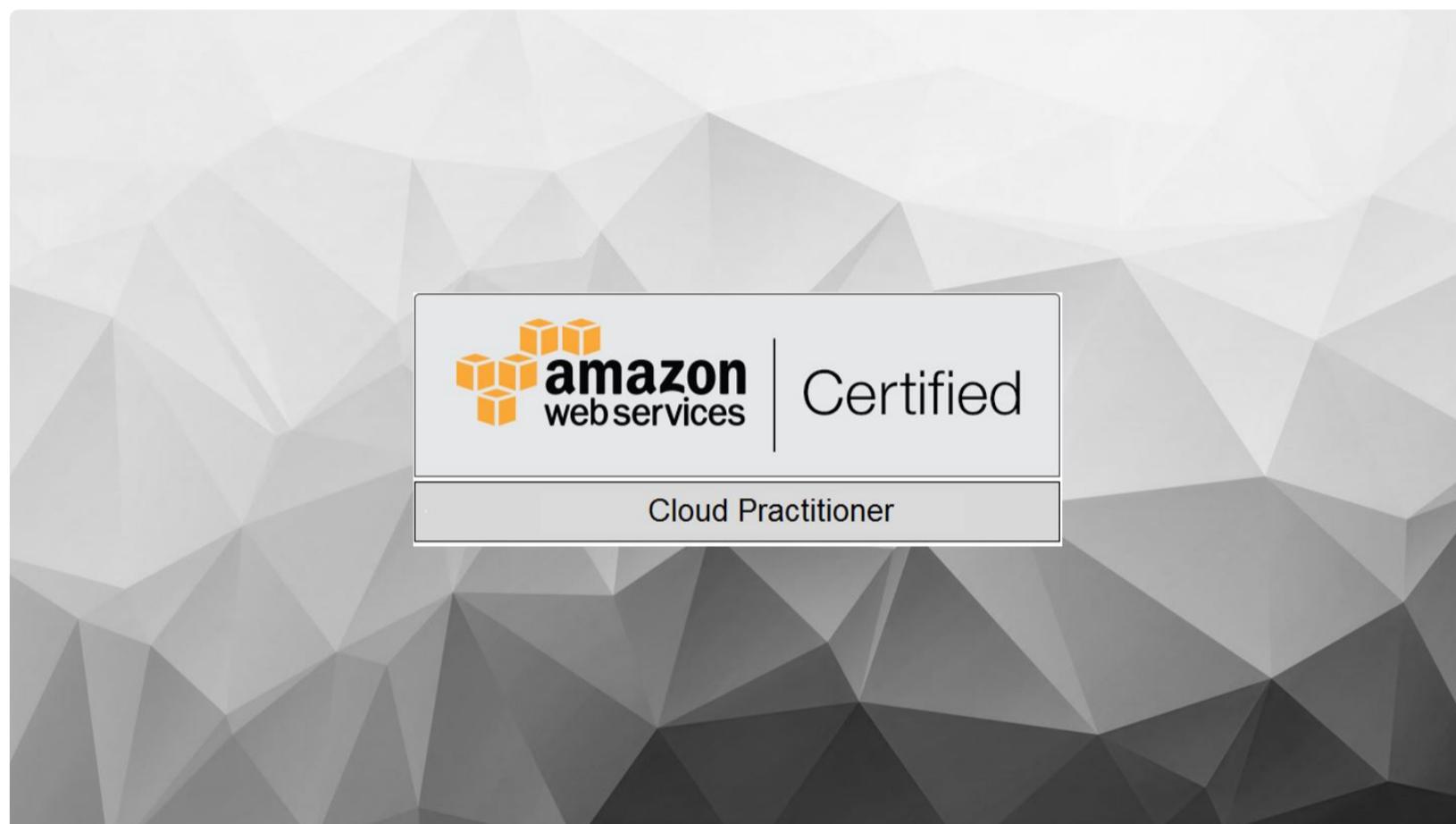
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1. Which service provides a user the ability to warehouse data in the AWS Cloud?



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Answer: B

2. A user is planning to migrate an application workload to the AWS Cloud. Which control becomes the responsibility of AWS once the migration is complete? scrum-master-2-
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- A. Patching the guest operating system
 - B. Maintaining physical and environmental controls
 - C. Protecting communications and maintaining zone security
 - D. Patching specific applications

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scrum-master-2-

Answer: B

3. Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
 - B. Amazon Connect
 - C. AWS Support Center
 - D. AWS Managed Services

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Answer: B

4. What tool enables customers without an AWS account to estimate costs for almost all AWS services?

- A. Cost Explorer
 - B. TCO Calculator
 - C. AWS Budgets
 - D. Simple Monthly Calculator

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Answer: B

5. Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
 - B. VPC endpoint
 - C. VPN connection
 - D. Internet gateway

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Answer: D

6. Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

C. Partial Upfront Reserved Instance

D. No Upfront Reserved Instance

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Answer: C

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7. A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage. Which set of tasks would meet this requirement?

A. Add an Application Load Balancer in front of the EC2 instance

B. Configure EC2 Auto Recovery to move the instance to another Availability Zone

C. Migrate to Amazon RDS and enable Multi-AZ

D. Enable termination protection for the EC2 instance to avoid outages

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Answer: C

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8. A company wants to ensure that AWS Management Console users are meeting password complexity requirements. How can the company configure password complexity?

Answers

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A. Using an AWS IAM user policy

B. Using an AWS Organizations service control policy (SCP)

C. Using an AWS IAM account password policy

D. Using an AWS Security Hub managed insight

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Answer: C

9. Under the AWS shared responsibility model, which of the following is the customer's responsibility?

A. Patching guest OS and applications

B. Patching and fixing flaws in the infrastructure

C. Physical and environmental controls

D. Configuration of AWS infrastructure devices

▼ Reveal

Answer: A

10. Which of the following tasks is required to deploy a PCI-compliant workload on AWS?

A. Use any AWS service and implement PCI controls at the application layer

B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer

C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service

D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

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Answer: D



- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

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Answer: A D

12. What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

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Answer: C

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13. A company has multiple data sources across the organization and wants to consolidate data into one data warehouse. Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

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Answer: B

14. Which AWS service can be used to track resource changes and establish compliance?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

▼ Reveal

Answer: B

15. A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this issue?

- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

▼ Reveal

Answer: B

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

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Answer: B

17. A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions. What is the most suitable and cost-effective option for this task?

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- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host
- D. Spot Instance

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Answer: A

18. Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

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- A. Providing high-performance container orchestration
- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

▼ Reveal

Answer: C D

19. A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

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- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

▼ Reveal

Answer: A E

20. Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball



Answer: D

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21. Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

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Answer: A

22. A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month. What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

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Answer: C

23. Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

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Answer: D

24. Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

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Answer: D

25. A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.
- D. AWS Organizations.



Answer: D

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26. Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Operational excellence
- C. Reliability
- D. Security

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Answer: B

27. Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

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Answer: C

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28. What is a characteristic of Convertible Reserved Instances (RIs)?

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

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Answer: A

29. The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

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Answer: B

30. An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS. What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.



Answer: C

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31. Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

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Answer: C

32. Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

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Answer: C E

33. Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

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Answer: C

34. What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

▼ Reveal

Answer: A

35. During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact

^

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Answer: C

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36. A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption. Which configuration will meet these requirements?

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- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

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Answer: B

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37. A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?

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- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

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Answer: A

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38. Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

- A. Amazon DynamoDB
- B. Amazon Athena
- C. Amazon RDS
- D. Amazon EMR

▼ Reveal

Answer: C

39. Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

▼ Reveal

Answer: A B

40. A company must store critical business data in Amazon S3 with a backup to another AWS Region. How can this be achieved?



C. Configure the AWS Backup service to back up to the data to another AWS Region

D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

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Answer: B

41. Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

A. AWS Budgets

B. AWS Cost Explorer

C. AWS Cost Allocation Tags

D. AWS Organizations

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Answer: A

42. What is the recommended method to request penetration testing on AWS resources?

A. Open a support case

B. Fill out the Penetration Testing Request Form

C. Request a penetration test from your technical account manager

D. Contact your AWS sales representative

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Answer: B

43. A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3. Which AWS service can meet these requirements?

A. Amazon Inspector

B. Amazon Macie

C. Amazon GuardDuty

D. AWS Secrets Manager

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Answer: B

44. Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

A. Internet gateway

B. NAT gateway

C. Customer gateway

D. Transit gateway

E. Virtual private gateway

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Answer: C E

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

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Answer: C

46. Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

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Answer: D

47. What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

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Answer: C

48. Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

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Answer: C

49. Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

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Answer: A

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

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51. Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components

▼ Reveal

Answer: D

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52. A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production. How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

▼ Reveal

Answer: A

53. Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

▼ Reveal

Answer: C

54. What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

▼ Reveal

55. A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements. Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

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Answer: C

56. Which AWS service can be used to track unauthorized API calls?

- A. AWS Config
- B. AWS CloudTrail
- C. AWS Trusted Advisor
- D. Amazon Inspector

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Answer: B

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57. A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes. Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

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Answer: B

58. A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region.
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
- C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
- D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

▼ Reveal

Answer: A

59. A company's application has flexible start and end times. Which Amazon EC2 pricing model will be the MOST cost-effective?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts



Answer: B

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60. Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

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Answer: D E

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61. A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost, which Amazon EC2 purchasing option should be used?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Hosts

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Answer: C

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62. Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

▼ Reveal

Answer: C

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63. Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

▼ Reveal

Answer: C

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64. A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it. Who should the developer contact for this level of support?



C. AWS technical account manager

D. AWS consulting partners

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Answer: A

65. What is the purpose of having an internet gateway within a VPC?

A. To create a VPN connection to the VPC

B. To allow communication between the VPC and the Internet

C. To impose bandwidth constraints on internet traffic

D. To load balance traffic from the Internet across Amazon EC2 instances

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Answer: B

66. A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone interruption. The application needs to resume database operations without the need for manual administrative intervention. How can these requirements be met? (Choose two.)

A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.

B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.

C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.

D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

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Answer: B

67. Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

A. NAT gateway

B. Elastic Load Balancing

C. Amazon Athena

D. AWS PrivateLink

▼ Reveal

Answer: B

68. AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

A. Cost optimization

B. Auditing

C. Serverless architecture

D. Performance

E. Scalability

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Answer: A D

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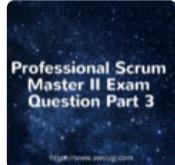
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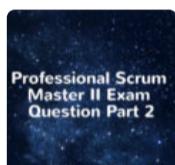


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Question #1

Topic 1

To install a PCI-compliant workload on AWS, which of the following tasks is required?

- A. Use any AWS service and implement PCI controls at the application layer
- B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer
- C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service
- D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer Most Voted

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>

Community vote distribution

D (100%)

Question #2

Topic 1

According to the AWS shared responsibility model, who is responsible for managing IAM user access and secret keys?

- A. IAM access and secret keys are static, so there is no need to rotate them.
- B. The customer is responsible for rotating keys.
- C. AWS will rotate the keys whenever required.
- D. The AWS Support team will rotate keys when requested by the customer.

Correct Answer: B

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Community vote distribution

B (100%)

Question #3

Which security-related duty is AWS accountable for under the AWS shared responsibility model?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure**
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

Correct Answer: B

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Community vote distribution

B (100%)

Question #4

Which cloud architecture design concept is supported by distributing workloads across various Availability Zones?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.**
- D. Implement elasticity.

Correct Answer: C

Community vote distribution

C (100%)

Question #5

What is one technique to provide unified billing if each department within a firm has its own AWS account?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.**
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Community vote distribution

C (100%)

Question #6

Topic 1

Who is responsible for configuration management under the AWS shared responsibility model?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

Correct Answer: C

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #7

Topic 1

Who is the main point of contact for billing or account questions if a user has an AWS account with an Enterprise-level AWS Support plan?

- A. Solutions architect
- B. AWS Concierge Support team
- C. An AWS Marketplace seller
- D. AWS Partner Network (APN) partner

Correct Answer: B

Question #8

Topic 1

Which compute hosting model should be accounted for in the Total Cost of Ownership (TCO) when undertaking a cost analysis that allows physical isolation of a customer workload?

- A. Dedicated Hosts
- B. Reserved Instances
- C. On-Demand Instances
- D. No Upfront Reserved Instances

Correct Answer: A

Use Dedicated Hosts to launch Amazon EC2 instances on physical servers that are dedicated for your use. Dedicated Hosts give you additional visibility and control over how instances are placed on a physical server, and you can reliably use the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses like Windows Server and address corporate compliance and regulatory requirements.

Question #9

Topic 1

Which of the following is a suggestion made by an AWS Trusted Advisor? (Select two.)

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

Correct Answer: AD*Community vote distribution*

AD (100%)

Question #10

Topic 1

Who is accountable for security and compliance under the AWS shared responsibility model?

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

Correct Answer: C

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as

AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

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Question #11

Topic 1

Which of the following is a critical design concept for architecting cloud applications?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

Correct Answer: D

Cloud services main proposition is to provide elasticity through horizontal scaling. It's already there. As for using largest instance possible, it is not a design principle that helps cloud applications in anyway. Scrum development process is not related to architecting. Therefore, a key principle is to provision your application for on-demand capacity. Peak loads is something that cloud applications experience everyday. Peak load management should be a necessary part of cloud application design principle.

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Question #12

Topic 1

Which pillar of the AWS Well-Architected Framework is supported by the design philosophy of performing operations as code?

- A. Performance efficiency
- B. Operational excellence
- C. Reliability
- D. Security

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question #13

Topic 1

What is the customer's responsibility while using Amazon RDS?

- A. Patching and maintenance of the underlying operating system.
- B. Managing automatic backups of the database.
- C. Controlling network access through security groups.
- D. Replacing failed instances in the event of a hardware failure.

Correct Answer: C

Community vote distribution

C (100%)

Question #14

Topic 1

Which of the following operational controls do users completely inherit from AWS as part of the AWS shared responsibility model?

- A. Security management of data center Most Voted
- B. Patch management
- C. Configuration management
- D. User and access management Most Voted

Correct Answer: A

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Community vote distribution

A (64%)

D (36%)

Question #15

Topic 1

What is the customer's obligation while using an AWS managed service under the AWS shared responsibility model?

- A. Physical security of the data centers
- B. Server-side encryption
- C. Customer data Most Voted
- D. Operating system patching

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

Community vote distribution

C (83%)

A (17%)

Question #16

Which AWS service can identify the person who made the API request when an Amazon EC2 instance is terminated?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS X-Ray
- D. AWS Identity and Access Management (IAM)

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html>

Community vote distribution

B (100%)

Question #17

All AWS users have access to which AWS Trusted Advisor check?

- A. Core checks Most Voted
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

Correct Answer: C

Reference:

<https://www.amazonaws.cn/en/support/trustedadvisor/faq/#checks>

Community vote distribution

A (96%)

4%

Question #18

Which of the following is an example of security in the AWS Cloud under the AWS shared responsibility model?

- A. Managing edge locations
- B. Physical security
- C. Firewall configuration Most Voted
- D. Global infrastructure

Correct Answer: B

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Community vote distribution

C (94%)

6%

Question #19

Topic 1

Permissions for which of the following are managed by service control policies (SCPs)?

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations
- D. Edge locations

Correct Answer: C

Reference:

https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html*Community vote distribution*

C (100%)

Question #20

Topic 1

Which of the following AWS services should a client utilize to audit the change management of AWS resources?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

Correct Answer: A

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your

AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference:

<https://aws.amazon.com/config/>*Community vote distribution*

A (100%)

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Question #21

Topic 1

What is raised when a business deploys web servers across several AWS Regions?

- A. Coupling
- B. Availability**
- C. Security
- D. Durability

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Community vote distribution

B (100%)

Question #22

Topic 1

Which of the following is a shared control between a client and AWS under the shared responsibility model?

- A. Physical controls
- B. Patch management**
- C. Zone security
- D. Data center auditing

Correct Answer: B

Community vote distribution

B (100%)

Question #23

Topic 1

How should an application be created to function on the AWS Cloud in accordance with best practices?

- A. Use tightly coupled components.
- B. Use loosely coupled components.**
- C. Use infrequently coupled components.
- D. Use frequently coupled components.

Correct Answer: B

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf*Community vote distribution*

B (100%)

Question #24

Topic 1

Which cloud architectural concept is supported by a system that can scale in terms of users, traffic, or data quantity without sacrificing performance?

- A. Think parallel
- B. Implement elasticity**
- C. Decouple your components
- D. Design for failure

Correct Answer: B

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Question #25

Topic 1

The following describes an application that spans various Availability Zones:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

Correct Answer: A

Reference:

https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NsIAxm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGIsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false*Community vote distribution*

A (100%)

Question #26

Topic 1

When using AWS Lambda, what is the customer's responsibility?

- A. Operating system configuration
- B. Application management Most Voted
- C. Platform management
- D. Code encryption Most Voted

Correct Answer: D

Reference:

<https://aws.amazon.com/lambda/security-overview-of-aws-lambda/>*Community vote distribution*

D (53%)

B (47%)

Question #27

Topic 1

Which duty is the customer's responsibility while managing AWS Lambda functions under the AWS shared responsibility model?

- A. Creating versions of Lambda functions Most Voted
- B. Maintaining server and operating systems
- C. Scaling Lambda resources according to demand
- D. Updating the Lambda runtime environment

Correct Answer: C*Community vote distribution*

A (75%)

D (15%) 10%

Question #28

Topic 1

Which of the following is not a duty of the client under the AWS shared responsibility model? (Select two.)

- A. Decommissioning of physical storage devices Most Voted
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers Most Voted
- E. Patch management of an Amazon EC2 instance operating system

Correct Answer: BE

Reference:

<https://www.whizlabs.com/blog/aws-security-shared-responsibility/>*Community vote distribution*

AD (96%)	3%
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Question #29

Topic 1

Which service or functionality does AWS Enterprise Support provide that other AWS Support subscriptions do not?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

Correct Answer: C

Reference:

<https://aws.amazon.com/premiumsupport/plans/>*Community vote distribution*

C (100%)

Question #30

Topic 1

What attributes of an AWS account can AWS Trusted Advisor monitor and advise on? (Select two.)

- A. Compliance with security best practices Most Voted
- B. Application performance Most Voted
- C. Network utilization
- D. Cost optimization Most Voted Most Voted
- E. Compliance status

Correct Answer: BD

Reference:

<https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/>*Community vote distribution*

BD (56%)	AD (44%)
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Question #31

Topic 1

Which feature enables Amazon EC2 instances to be more elastic in response to changing workload demand?

- A. Virtualization Management Most Voted
- B. Hardware management
- C. Encryption management
- D. Facilities management
- E. Firewall management

Correct Answer: CE

With the basic Cloud infrastructure secured and maintained by AWS, the responsibility for what goes into the cloud falls on you. This covers both client and server side encryption and network traffic protection, security of the operating system, network, and firewall configuration, followed by application security and identity and access management.

Firewall configuration remains the responsibility of the end user, which integrates at the platform and application management level. For example, RDS utilizes security groups, which you would be responsible for configuring and implementing.

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Community vote distribution

A (85%) Other

Question #32

Topic 1

What is the unique advantage that Enterprise Support customers receive?

- A. Access to a Technical Project Manager
- B. Access to a Technical Account Manager Most Voted
- C. Access to a Cloud Support Engineer
- D. Access to a Solutions Architect

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/plans/enterprise/>

Community vote distribution

B (100%)

Question #33

Topic 1

What are the advantages of AWS Cloud elasticity?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance. Most Voted

Correct Answer: D

Reference:

<https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>*Community vote distribution*

D (100%)

Question #34

Topic 1

Which of the following are capabilities of the AWS Cost Management tools? (Select two.)

- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account. Most Voted
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets. Most Voted
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

Correct Answer: BC*Community vote distribution*

BC (100%)

Question #35

Topic 1

Which cost components should be addressed when developing a cloud Total Cost of Ownership (TCO) model for AWS workloads? (Select three.)

- A. Compute costs Most Voted
- B. Facilities costs
- C. Storage costs Most Voted
- D. Data transfer costs Most Voted
- E. Network infrastructure costs
- F. Hardware lifecycle costs

Correct Answer: ACE

Reference:

<https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>*Community vote distribution*

ACD (71%)

14%

Other

Question #36

How should an Amazon EC2 instance be granted access to an Amazon S3 bucket in accordance with security best practices?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

Correct Answer: C

Community vote distribution

C (100%)

Question #37

Which of the following price options would result in the highest reduction after making an Amazon EC2 Dedicated Host reservation?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

Correct Answer: D

Reference:

<https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

Question #38

Which AWS services and/or features increase availability and mitigate the effect of failures while constructing a typical three-tier web application? (Select two.)

- A. AWS Auto Scaling for Amazon EC2 instances
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

Correct Answer: AC

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Community vote distribution

AC (100%)

Question #39

Topic 1

Which of the following IT responsibilities may AWS relieve a company's IT team of? (Select two.)

- A. Patching database software Most Voted
- B. Storage capacity planning Most Voted
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

Correct Answer: AC*Community vote distribution*

AB (100%)

Question #40

Topic 1

Which of the following is included in the AWS Trusted Advisor checks? (Select two.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

Correct Answer: AC

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>*Community vote distribution*

AC (60%)

BD (40%)

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- Expert Verified, Online, **Free**.

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Question #41

Topic 1

What is AWS accountable for under the AWS shared responsibility model?

- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

Correct Answer: D

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Community vote distribution

D (100%)

Question #42

Topic 1

Which of the following tasks may be used to improve Amazon EC2 costs? (Select two.)

- A. Implementing Auto Scaling groups to add and remove instances based on demand. Most Voted
- B. Creating a policy to restrict IAM users from creating new instances.
- C. Setting a budget to limit spending on EC2 instances using AWS Budgets.
- D. Purchasing Reserved Instances. Most Voted
- E. Adding EC2 instances to a second AWS Region that is geographically close to the end users.

Correct Answer: BC

Community vote distribution

AD (89%)

7%

Question #43

Which of the following is a customer duty under the AWS shared responsibility model?

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

Correct Answer: C

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Community vote distribution

C (100%)

Question #44

A firm wishes to develop a new line of business application.

Which design concepts should be applied in accordance with the AWS Well-Architected Framework? (Select two.)

- A. Consolidate multiple AWS accounts into a single account.
- B. Buy and host hardware in the AWS Cloud.
- C. Decouple the AWS Cloud architecture to break up monolithic deployments. Most Voted
- D. Move on-premises network hardware to VPCs.
- E. Design elasticity into the AWS Cloud design. Most Voted

Correct Answer: DE

Community vote distribution

CE (100%)

Question #45

Which of the following is the customer's obligation under the AWS shared responsibility model?

- A. Patching guest OS and applications Most Voted
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

Correct Answer: A

Community vote distribution

A (100%)

Question #46

Topic 1

Which scenarios should a user report to the AWS Abuse team? (Select two.)

- A. A DDoS attack is being made on an AWS resource. Most Voted
- B. A SQL injection attack is being made from an IP address that is not an AWS address.
- C. AWS resources are being used to host objectionable or illegal content. Most Voted Most Voted
- D. A company's resources are being used in a way that is inconsistent with corporate policy. Most Voted
- E. A company is receiving HTTPS requests on a web server that is serving HTTP.

Correct Answer: AC

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>*Community vote distribution*

AC (57%)	CD (36%)	7%
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Question #47

Topic 1

Which AWS serverless platform services are included?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

Correct Answer: C

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS Lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

Reference:

<https://aws.amazon.com/serverless/>

Question #48

Topic 1

According to the AWS shared responsibility model, which of the following is the customer's obligation?

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

Correct Answer: C

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>**Topic 1 - Single Topic**

Question #49

Topic 1

Which of the following is the customer's obligation under the shared responsibility model?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

Correct Answer: C

Reference:

<https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

Question #50

Topic 1

What is the AWS Cloud's value proposition?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required Most Voted
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

Correct Answer: B

Reference:

<https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>*Community vote distribution*

B (100%)

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Question #51

Topic 1

Which of the following describes elasticity in the AWS Cloud? (Select two.)

- A. How quickly an Amazon EC2 instance can be restarted
- B. The ability to rightsize resources as demand shifts
- C. The maximum amount of RAM an Amazon EC2 instance can use
- D. The pay-as-you-go billing model
- E. How easily resources can be produced when they are needed

Correct Answer: BE

Reference:

<https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability>

Community vote distribution

BE (100%)

Question #52

Topic 1

How do Amazon's tremendous economies of scale help customers?

- A. Periodic price reductions as the result of Amazon's operational efficiencies
- B. New Amazon EC2 instance types providing the latest hardware
- C. The ability to scale up and down when needed
- D. Increased reliability in the underlying hardware of Amazon EC2 instances

Correct Answer: A

Community vote distribution

A (75%)

C (25%)

Question #53

After studying the AWS Cost and Usage report in the AWS Management Console, a Cloud Practitioner detects a billing problem.

Which course of action should be done to rectify this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

Correct Answer: A

Question #54

Which of the following are customer duties under the AWS shared responsibility model? (Select two.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

Correct Answer: AC

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Community vote distribution

AC (50%)

AE (50%)

Question #55

Which of the following tasks is the AWS customer's duty under the shared responsibility model? (Select two.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted
- E. Ensuring that hardware is disposed of properly

Correct Answer: AC

Community vote distribution

AC (100%)

Question #56

Which change management actions, according to the AWS Well-Architected Framework, should be followed to ensure AWS Cloud reliability? (Select two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

Correct Answer: AC

Community vote distribution

AC (50%)

CE (50%)

Question #57

Before transferring an environment to the AWS Cloud, a cloud practitioner must receive AWS compliance reports.

How are these reports produced?

- A. Contact the AWS Compliance team
- B. Download the reports from AWS Artifact Most Voted
- C. Open a case with AWS Support
- D. Generate the reports with Amazon Macie

Correct Answer: A

Community vote distribution

B (100%)

Question #58

Which of the following actions is the customer's responsibility under the AWS shared responsibility model? (Select two.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

Correct Answer: BD

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #59

Topic 1

What may be associated to an Amazon EC2 instance through AWS Identity and Access Management (IAM) to initiate service requests?

- A. Group
- B. Role**
- C. Policy
- D. Access key

Correct Answer: B

Reference:

<https://aws.amazon.com/iam/faqs/>

Question #60

Topic 1

Which of the following is a duty of AWS under the AWS shared responsibility model?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor**

Correct Answer: D

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>[◀ Previous Questions](#)[Next Questions ➔](#)



- Expert Verified, Online, **Free**.

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Question #61

Topic 1

A copy of the AWS SOC 2 report is required during a compliance review by one of the auditors.

Which service should this request be sent through?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

Correct Answer: C

Question #62

Topic 1

For 3 hours, 5 minutes, and 6 seconds, a client operates an Amazon Linux EC2 instance on-demand.

How long will the consumer be charged?

- A. 3 hours, 5 minutes
- B. 3 hours, 5 minutes, and 6 seconds
- C. 3 hours, 6 minutes
- D. 4 hours

Correct Answer: B

Reference:

<https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

Community vote distribution

B (100%)

Question #63

Topic 1

According to the AWS shared responsibility model, which of the following is exclusively the responsibility of AWS?

- A. Patching of the guest operating system
- B. Security awareness and training
- C. Physical and environmental controls
- D. Development of an IAM password policy

Correct Answer: C

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=AWS%20responsibility%20E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services>

Question #64

Topic 1

What are the possible uses for AWS edge locations? (Select two.)

- A. Hosting applications
- B. Delivering content closer to users
- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses
- E. Sending notification messages to end users

Correct Answer: BD

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with

CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Reference:

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

Question #65

Topic 1

What can users do using AWS Marketplace? (Select two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

Correct Answer: BC

Reference:

<https://aws.amazon.com/marketplace>

Question #66

Topic 1

Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB are used by a firm to execute its mission-critical web application. Multiple times during the day, the workload jumps to up to ten times the regular level.

Which AWS Cloud feature helps the business to adapt to these demand changes?

- A. Agility
- B. Global reach
- C. Scalability
- D. Security

Correct Answer: C

Reference:

<https://aws.amazon.com/autoscaling/>

Community vote distribution

C (100%)

Question #67

Topic 1

Which of the following tasks is the customer's duty under the shared responsibility model? (Select two.)

- A. Maintaining the underlying Amazon EC2 hardware.
- B. Managing the VPC network access control lists.
- C. Encrypting data in transit and at rest.
- D. Replacing failed hard disk drives.
- E. Deploying hardware in different Availability Zones.

Correct Answer: BC

The hardware related jobs is the prime responsibility of AWS. VPC network access control lists is something a customer has to do himself to secure the applications. Encrypting data in transit and at rest is a shared responsibility in which AWS plays a part. All hardware related jobs have nothing to do with the customer.

Reference:

<https://dzone.com/articles/aws-shared-responsibility-model-cloud-security>

Community vote distribution

BC (100%)

Question #68

Topic 1

Which of the following are AWS obligations, according to the AWS shared responsibility model? (Select two.)

- A. Network infrastructure and virtualization of infrastructure
- B. Security of application data
- C. Guest operating systems
- D. Physical security of hardware
- E. Credentials and policies

Correct Answer: AD*Community vote distribution*

AD (100%)

Question #69

Topic 1

What charges are included in the comparison of AWS vs on-premises Total Cost of Ownership (TCO)?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

Correct Answer: A

Reference:

<https://www.awstcocalculator.com/Output/Load/f85bbf7e131446643911859504>*Community vote distribution*

D (100%)

Question #70

Topic 1

Which AWS service supports MySQL and PostgreSQL as relational databases?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Neptune

Correct Answer: C

Reference:

<https://aws.amazon.com/rds/aurora/?aurora-whats-new.sort-by=item.additionalFields.postDateTime&aurora-whats-new.sort-order=desc>*Community vote distribution*

C (100%)

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Question #71

Topic 1

Which AWS services is natively supported by AWS Snowball Edge?

- A. AWS Server Migration Service (AWS SMS)
 - B. Amazon Aurora
 - C. AWS Trusted Advisor
 - D. Amazon EC2

Correct Answer: *D*

Reference:

<https://aws.amazon.com/blogs/storage/building-a-linux-edge-computing-solution-with-aws-snowball-edge-and-amazon-ec2/>

Community vote distribution

D (100%)

Question #72

Topic 1

Which AWS shared responsibility controls are shared? (Select two.)

- A. Awareness and training
 - B. Patching of Amazon RDS
 - C. Configuration management
 - D. Physical and environmental controls
 - E. Service and communications protection or security

Correct Answer: AC

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Shared%20Controls%20%20%E2%80%9CControls%20which%20apply,their%20use%20of%20AWS%20services>

Community vote distribution

AC (100%)

After a single Availability Zone service disruption, a corporation must guarantee that the endpoint for a database instance stays the same. The program must continue database operations without human intervention from an administrator.

How are these stipulations to be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.**
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

Correct Answer: B

Which costs must be addressed when comparing AWS Cloud vs on-premises Total Cost of Ownership? (Select two.)

- A. Physical storage hardware
- B. Operating system administration
- C. Network infrastructure of data center**
- D. Project management
- E. Database schema development

Correct Answer: AC

Which costs must be addressed when comparing AWS Cloud vs on-premises Total Cost of Ownership? (Select two.)

- A. Software development
- B. Project management
- C. Storage hardware**
- D. Physical servers**
- E. Antivirus software license

Correct Answer: CD

Reference:

<https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

Community vote distribution

CD (67%)

AE (33%)

Question #76

Which AWS products anticipate future AWS expenses automatically?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

Community vote distribution

D (100%)

Question #77

Which functionality may be utilized to prevent inadvertent overwrites or deletions of Amazon S3 buckets?

- A. Lifecycle policy
- B. Object versioning Most Voted
- C. Server-side encryption
- D. Bucket ACL

Correct Answer: B

Reference:

<https://medium.com/tensult/how-to-protect-objects-from-accidental-deletion-and-overwrite-using-s3-object-versioning-5222796ab156>

Community vote distribution

B (71%)

D (29%)

Question #78

Amazon DynamoDB is used by a business in its AWS Cloud architecture.

Which of the following is a duty of the organization, according to the AWS shared responsibility model? (Select two.)

- A. Operating system patching and upgrades
- B. Application of appropriate permissions with IAM tools Most Voted
- C. Configuration of data encryption options Most Voted
- D. Creation of DynamoDB endpoints
- E. Infrastructure provisioning and maintenance

Correct Answer: BD

Community vote distribution

BC (86%)

14%

Question #79

Topic 1

Which of the following areas is the customer's duty under the shared responsibility model? (Select two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group

Correct Answer: BE

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>*Community vote distribution*

BE (100%)

Question #80

Topic 1

Which AWS service or functionality is utilized by distributed applications to send text and email messages?

- A. Amazon Simple Notification Service (Amazon SNS) Most Voted
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

Correct Answer: D

Reference:

<https://aws.amazon.com/sns/faqs/>*Community vote distribution*

A (74%)

D (26%)

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Question #81

Topic 1

To achieve high availability, how many Availability Zones should computing resources be provided across?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three
- D. A minimum of four or more

Correct Answer: B

Community vote distribution

B (100%)

Question #82

Topic 1

To boost availability, a user intends to create two more Amazon EC2 instances.

What should the user do?

- A. Launch the instances across multiple Availability Zones in a single AWS Region.
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
- C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
- D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

Correct Answer: A

Community vote distribution

A (100%)

Question #83

How can customers minimize the amount of time they spend patching their operating systems by migrating to the AWS Cloud? (Select two.)

- A. Users can take advantage of managed services on AWS.
- B. Users can outsource operating system patching to the AWS Support team.
- C. AWS Professional Services will upgrade instances to the latest operating system versions.
- D. Users have the ability to use license-included Amazon EC2 instances.
- E. Users can take advantage of AWS Systems Manager features.

Correct Answer: AE

Community vote distribution

AE (100%)

Question #84

What are the customer's duties under the AWS shared responsibility model? (Select two.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

Correct Answer: DE

Community vote distribution

DE (75%)

BD (25%)

Question #85

In the case of an environmental disruption, a company needs to make sure its infrastructure is structured for fault tolerance and business continuity.

Which parts of the AWS architecture should the organization replicate?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

Correct Answer: B

Reference:

https://d36cz9buwru1tt.cloudfront.net/AWS_Building_Fault_Tolerant_Applications.pdf

(3)

Community vote distribution

C (67%)

B (33%)

Question #86

Topic 1

According to which AWS cloud design guideline, systems should minimize their interdependence?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

Correct Answer: D

Question #87

Topic 1

Which tasks need the root user credentials for an AWS account? (Select two.)

- A. Creating an Amazon EC2 key pair
- B. Removing an IAM user from the administrators group
- C. Changing the AWS Support plan
- D. Creating an Amazon CloudFront key pair
- E. Granting an IAM user full administrative access

Correct Answer: CE

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>*Community vote distribution*

CD (100%)

Question #88

Topic 1

An administrator must fast install and begin utilizing a popular IT product.

What resources are available to the administrator?

- A. AWS Well-Architected Framework documentation
- B. Amazon CloudFront
- C. AWS CodeCommit
- D. AWS Quick Start reference deployments

Correct Answer: D

Quick Starts are built by AWS solutions architects and partners to help you deploy popular technologies on AWS, based on AWS best practices for security and high availability. These accelerators reduce hundreds of manual procedures into just a few steps, so you can build your production environment quickly and start using it immediately.

Reference:

<https://aws.amazon.com/quickstart/?quickstart-all.sort-by=item.additionalFields.updateDate&quickstart-all.sort-order=desc>

Question #89

Topic 1

Which solution enables users in various AWS Regions to have the FASTEST application response times for frequently requested data?

- A. AWS CloudTrail across multiple Availability Zones
- B. Amazon CloudFront to edge locations
- C. AWS CloudFormation in multiple regions
- D. A virtual private gateway over AWS Direct Connect

Correct Answer: B

You can deliver content and decrease end-user latency of your web application using Amazon CloudFront. CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon S3 bucket, an Amazon EC2 instance, an Amazon Elastic Load Balancing load balancer or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

Reference:

<https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

Question #90

Topic 1

A corporation anticipates a brief increase in internet traffic for their application. The program cannot be interrupted during the traffic spike. In addition, the organization must reduce costs while increasing flexibility.

To achieve these needs, which Amazon EC2 instance type should the organization use?

- A. On-Demand Instances Most Voted
- B. Spot Instances
- C. Reserved Instances Most Voted
- D. Dedicated Hosts

Correct Answer: B

Reference:

<https://aws.amazon.com/ec2/faqs/>

Community vote distribution

A (52%)	C (43%)	5%
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Question #91

Topic 1

An Amazon RDS database instance is deployed across several Availability Zones.

Which pillar of the AWS Well-Architected Framework is included in this strategy?

- A. Performance efficiency
- B. Reliability**
- C. Cost optimization
- D. Security

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Community vote distribution

B (100%)

Question #92

Topic 1

Amazon EC2, an Elastic Load Balancer, and Amazon RDS are all components of an architectural design.

What is the BEST method for estimating the monthly cost of this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.**
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

Question #93

Topic 1

On Amazon EC2, a business hosts a web application in a Docker container.

Which of the following duties is AWS in charge of?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

Correct Answer: C

Reference:

<https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

Question #94

Topic 1

What are the AWS Cloud's advantages? (Select two.)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

Correct Answer: BC

Reference:

<https://data-flair.training/blogs/aws-advantages/>*Community vote distribution*

BC (100%)

Question #95

Topic 1

An Elastic Load Balancer, numerous Amazon EC2 instances, and Amazon RDS are used to run a web application on AWS.

Which security measures are AWS's responsibility? (Select two.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

Correct Answer: BC*Community vote distribution*

BC (100%)

Question #96

Topic 1

Which AWS service or feature facilitates the purchase and deployment of third-party software by providing an online, managed software catalog?

- A. AWS Support
- B. AWS Marketplace
- C. Amazon EC2 private Amazon Machine Images (AMIs)
- D. AWS reseller programs

Correct Answer: B

AWS Marketplace is a curated digital catalog that makes it easy for customers to find, buy, deploy, and manage the third-party software.

Reference:

<https://aws.amazon.com/marketplace/campaigns/software-procurement>

Community vote distribution

B (100%)

Question #97

Topic 1

A business wishes to improve its capacity for infrastructure recovery in the event of a natural catastrophe.

This capability corresponds to which pillar of the AWS Well-Architected Framework?

- A. Cost optimization
- B. Performance efficiency
- C. Reliability
- D. Security

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

Question #98

Topic 1

A business may be required to operate its workload exclusively in its on-premises data center due to performance and regulatory limitations.

Which Amazon Web Services (AWS) services or resources should the business utilize? (Select two.)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts Most Voted
- D. AWS Snowball Edge Most Voted
- E. AWS AppSync

Correct Answer: BC

Reference:

<https://aws.amazon.com/worklink/>

<https://aws.amazon.com/outposts/>

Community vote distribution

CD (58%)

BC (42%)

Question #99

Topic 1

For security reasons, a business demands an isolated environment inside AWS.

Which course of action is necessary to achieve this?

- A. Create a separate Availability Zone to host the resources.
- B. Create a separate VPC to host the resources.
- C. Create a placement group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS.

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>

Question #100

Topic 1

When utilizing the AWS Command Line Interface (AWS CLI), which of the following Identity and Access Management (IAM) entities is connected with an access key ID and secret access key?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

Correct Answer: B

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

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Question #101

Topic 1

Which component of the AWS architecture permits global computing and storage deployment?

- A. Availability Zones
- B. Regions Most Voted
- C. Tags
- D. Resource groups

Correct Answer: A

Reference:

<https://cloudacademy.com/blog/aws-global-infrastructure/>

Community vote distribution

B (81%) A (19%)

Question #102

Topic 1

What is AWS's sole obligation under the AWS shared responsibility model?

- A. Application security
- B. Edge location management
- C. Patch management
- D. Client-side data

Correct Answer: B

Client-side data, application security is the sole responsibility of the customer. Patch management is a shared responsibility. That leaves us with edge location management and since this is out of the control of the customer, AWS is the one responsible for it.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #103

Which of the following is a design concept associated with dependability in the AWS Well-Architected Framework?

- A. Deployment to a single Availability Zone
- B. Ability to recover from failure**
- C. Design for cost optimization
- D. Perform operations as code

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question #104

Which activity is entirely the user's responsibility while executing workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic**
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

Correct Answer: B

Question #105

Which statement best describes the AWS Cloud's agility?

- A. Agility gives users the ability to host applications in multiple AWS Regions around the world.
- B. Agility gives users the ability to pay upfront to reduce cost.
- C. Agility provides customizable physical hardware at the lowest possible cost.
- D. Agility provides the means for users to provision resources in minutes.**

Correct Answer: D

Reference:

<https://blog.clairvoyantsoft.com/true-economics-of-cloud-computing-part-1-what-it-really-means-to-be-agile-1ed14a1696a5>

Community vote distribution

D (100%)

Question #106

Topic 1

Which AWS product or service enables businesses to monitor and classify their expenditure at a precise level?

- A. Cost allocation tags Most Voted
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/startups/how-to-set-aws-budget-when-paying-with-aws-credits/>*Community vote distribution*

A (89%)	11%
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Question #107

Topic 1

Which AWS service is responsible for monitoring the health of your applications automatically?

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk Most Voted
- C. AWS Lambda
- D. AWS Config

Correct Answer: B

Reference:

<https://aws.amazon.com/elasticbeanstalk/>*Community vote distribution*

B (100%)

Question #108

Topic 1

When comparing AWS Total Cost of Ownership (TCO) to on-premises TCO, what charges are included?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

Correct Answer: C

Question #109

Topic 1

Which design concept is fulfilled by adhering to the AWS Well-Architected Framework's dependability pillar?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question #110

Topic 1

Which AWS service or functionality can assist a business in determining if it has publicly accessible Amazon S3 buckets?

- A. AWS Service Health Dashboard
- B. Amazon CloudWatch Logs
- C. AWS Trusted Advisor
- D. AWS Service Catalog

Correct Answer: C

Reference:

https://d1.awsstatic.com/product-marketing/S3/Amazon_S3_Security_eBook_2020.pdf[◀ Previous Questions](#)[Next Questions ➔](#)



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Question #111

Topic 1

Seasonal sales surges occur many times a year for an online retailer, most notably during the holidays. At other times of year, demand is lower. The corporation has difficulty forecasting the seasonal increase in infrastructure demand.

Which benefits of migrating to the AWS Cloud would be the most beneficial to the business? (Select two.)

- A. Global footprint
- B. Elasticity**
- C. AWS service quotas
- D. AWS shared responsibility model
- E. Pay-as-you-go pricing

Correct Answer: BE

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

Community vote distribution

BE (100%)

Question #112

Topic 1

Which concepts of AWS Cloud architecture may assist boost reliability? (Select two.)

- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures**
- D. Adopting a consumption model
- E. Automatically recovering from failure

Correct Answer: CE

Reference:

<https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

Community vote distribution

CE (100%)

Question #113

Topic 1

Which AWS service enables customers to view AWS compliance control reports on-demand and self-service?

- A. AWS Config
- B. Amazon GuardDuty
- C. AWS Trusted Advisor
- D. AWS Artifact

Correct Answer: D

Reference:

<https://aws.amazon.com/artifact>

Question #114

Topic 1

Which AWS service enables expense control across numerous AWS accounts effectively?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

Correct Answer: A

Reference:

<https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>*Community vote distribution*

A (100%)

Question #115

Topic 1

What may aid in the evaluation of a cloud-based application? (Select two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

Correct Answer: BD

Question #116

Topic 1

A company's on-premises servers and the AWS Cloud need a dedicated network connection.

Which Amazon Web Services (AWS) service should be used?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon API Gateway
- D. Amazon Connect

Correct Answer: B

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference:

<https://aws.amazon.com/directconnect/>

Community vote distribution

B (100%)

Question #117

Topic 1

On-premises resources have been underused by a user.

Which AWS Cloud idea is optimal for resolving this issue?

- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

Correct Answer: B

Reference:

<https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

Question #118

Topic 1

Which of the following advantages does Amazon Relational Database Service (Amazon RDS) provide over conventional database management?

- A. AWS manages the data stored in Amazon RDS tables.
- B. AWS manages the maintenance of the operating system. Most Voted
- C. AWS automatically scales up instance types on demand. Most Voted
- D. AWS manages the database type.

Correct Answer: B

Community vote distribution

B (55%)

C (45%)

Question #119

Topic 1

A cloud practitioner has a seldom run data analysis job that can be stopped without causing damage.

Which Amazon EC2 purchase option should be utilized to maximize cost savings?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Hosts

Correct Answer: C

Reference:

<https://aws.amazon.com/ec2/pricing/>

Question #120

Topic 1

What are the advantages of AWS Cloud service billing consolidation? (Select two.)

- A. Volume discounts Most Voted
- B. A minimal additional fee for use
- C. One bill for multiple accounts Most Voted
- D. Installment payment options
- E. Custom cost and usage budget creation

Correct Answer: CE

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Community vote distribution

AC (100%)

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- Expert Verified, Online, **Free**.

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Question #121

Topic 1

Which Amazon EC2 instance type is necessary when a user wishes to use their current per-socket, per-core, or per-virtual machine software licenses on a Microsoft Windows server operating on AWS?

- A. Spot Instances
- B. Dedicated Instances
- C. Dedicated Hosts
- D. Reserved Instances

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html>

Community vote distribution

C (100%)

Question #122

Topic 1

When users connect to a website with a worldwide consumer base, they report experiencing delay.

Which Amazon Web Services (AWS) offering will enhance the user experience by lowering latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

Correct Answer: A

Reference:

<https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

Community vote distribution

A (100%)

Question #123

Topic 1

Which capabilities or services are available for monitoring an AWS account's charges and expenses? (Select two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

Correct Answer: AD

Reference:

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html*Community vote distribution*

AD (100%)

Question #124

Topic 1

Which service enables users to store data in the Amazon Web Services cloud?

- A. Amazon EFS Most Voted
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

Correct Answer: B

Reference:

<https://aws.amazon.com/redshift/>*Community vote distribution*

A (100%)

Question #125

Topic 1

Which AWS service or product enables an organization to automate the delivery of application changes?

- A. Amazon AppFlow
- B. AWS CodeDeploy
- C. AWS PrivateLink
- D. Amazon EKS Distro

Correct Answer: B

Reference:

<https://aws.amazon.com/codedeploy/>

Question #126

Topic 1

A corporation wishes to minimize the physical footprint of the computing resources used by developers to execute programs.

Which service would enable serverless architectures to address this need?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. AWS Lambda**
- C. Amazon DynamoDB
- D. AWS CodeCommit

Correct Answer: B

AWS Lambda is an integral part of coding on AWS. It reduces physical compute footprint by utilizing aws cloud services to run code.

Question #127

Topic 1

A Load Balancer Elastic enables online traffic to be distributed across multiple:

- A. AWS Regions.
- B. Availability Zones.**
- C. Dedicated Hosts.
- D. Amazon S3 buckets.

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

Question #128

Topic 1

What is AWS Storage Gateway's purpose?

- A. It ensures on-premises data storage is 99.99999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.**

Correct Answer: D

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference: <https://www.techradar.com/news/what-is-aws-storage-gateway>

Question #129

Topic 1

How can a client anticipate future expenses associated with the operation of a new web application?

- A. Amazon Aurora Backtrack
- B. Amazon CloudWatch Billing Alarms
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage report

Correct Answer: C

You can use Cost explorer which is part of Cost and Usage report to forecast future costs of running an application.

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

Question #130

Topic 1

Numerous AWS Cloud Regions are an illustration of:

- A. agility.
- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

Correct Answer: B[◀ Previous Questions](#)[Next Questions ➔](#)



- Expert Verified, Online, **Free**.

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Question #131

Topic 1

Which AWS service enables conventional SQL queries against stored datasets straight from Amazon S3?

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

Correct Answer: D

Amazon Athena is defined as an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL. So, it's another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike

Apache Drill, Athena is limited to data only from Amazon's own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

Question #132

Topic 1

The term "fault tolerance" relates to the following:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components Most Voted

Correct Answer: B

Community vote distribution

D (100%)

Question #133

Topic 1

A startup is developing a new application that must be launched immediately. In the near future, the application criteria may need to be changed. Which of the following is an AWS Cloud feature that would fulfill this particular requirement?

- A. Elasticity
- B. Reliability
- C. Performance
- D. Agility

Correct Answer: D

Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end.

Reference:

<http://www.agilenutshell.com>

Question #134

Topic 1

Which AWS service must be enabled in order for the AWS Management Console to monitor all user account changes?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

Correct Answer: A

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference:

<https://aws.amazon.com/cloudtrail/>

Question #135

Topic 1

A business needs to guarantee that users of the AWS Management Console adhere to password complexity guidelines.

How can a business customize the difficulty of its passwords?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy Most Voted
- D. Using an AWS Security Hub managed insight

Correct Answer: A

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html

Community vote distribution

C (/8%)

A (22%)

Question #136

Topic 1

Which AWS service would determine if a security group has granted unlimited access to a resource?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

Correct Answer: A

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

Question #137

Topic 1

According to the AWS shared responsibility model, what is one of the customer's responsibilities?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

Correct Answer: C

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question #138

Topic 1

Which features are available to users while use AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

Question #139

Topic 1

On Amazon EC2 instances, a business has installed various relational databases. Each month, the database software manufacturer publishes new security updates for databases that must be deployed.

Which method is the MOST EFFECTIVE for applying security patches?

- A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.
- B. Enable automatic patching for the instances using the Amazon RDS console.
- C. In AWS Config, configure a rule for the instances and the required patch level.
- D. Use AWS Systems Manager to automate database patching according to a schedule.

Correct Answer: D

Reference:

<https://aws.amazon.com/rds/faqs/>

Question #140

Topic 1

A business is releasing a new application on AWS. The application will be hosted on an Amazon Elastic Compute Cloud (EC2) instance. Additional EC2 instances will be required as the demand grows.

Which AWS service or technology can the business utilize to deploy the required number of EC2 instances?

- A. Elastic Load Balancing
- B. Amazon EC2 Auto Scaling Most Voted
- C. AWS App2Container (A2C)
- D. AWS Systems Manager

Correct Answer: A

Elastic Load Balancing automatically distributes your incoming application traffic across all the EC2 instances that you are running. Elastic Load Balancing helps to manage incoming requests by optimally routing traffic so that no one instance is overwhelmed.

Reference:

<https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html>*Community vote distribution*

B (100%)

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Question #141

Topic 1

When building an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode, which architectural concept is followed?

- A. Implement loose coupling.
- B. Design for failure.
- C. Automate everything that can be automated.
- D. Use services, not servers.

Correct Answer: *B*

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.

Reference:

<https://aws.amazon.com/rds/details/multi-az/>

Question #142

Topic 1

What does it mean to provide AWS IAM users the fewest possible privileges?

- A. It is granting permissions to a single user only.
- B. It is granting permissions using AWS IAM policies only.
- C. It is granting AdministratorAccess policy permissions to trustworthy users.
- D. It is granting only the permissions required to perform a given task.

Correct Answer: *D*

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task.

Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

Community vote distribution

D (100%)

Question #143

Topic 1

What is a user's responsibility while using the AWS Cloud to execute an application?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

Correct Answer: D

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #144

Topic 1

Which of the following statements concerning AWS's worldwide infrastructure is true?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

Correct Answer: C

Reference:

<https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

Question #145

Topic 1

A business wishes to link AWS to its corporate network through a private network connection.

Which Amazon Web Services (AWS) service or functionality will satisfy this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. AWS Direct Connect
- D. VPC peering

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/aws/user-network-to-amazon-vpc-connectivity-for-applications-hosted-on-aws/>*Community vote distribution*

C (100%)

Question #146

Topic 1

Which of the following may be used to restrict certain users' access to Amazon Simple Storage Service (Amazon S3) buckets?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

Correct Answer: C

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity and Access Management (IAM) policy or another statement in the bucket policy.

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/block-s3-traffic-vpc-ip/>

Question #147

Topic 1

Which AWS service enables a business to identify and reroute customers to other servers in the event of a website server outage?

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route 53
- D. AWS Trusted Advisor

Correct Answer: C

Reference:

<https://aws.amazon.com/about-aws/whats-new/2013/02/11/announcing-dns-failover-for-route-53/>

Question #148

Topic 1

A organization with an AWS Support plan for developers established an Amazon RDS database but is unable to connect to it.

To get this degree of help, who should the developer contact?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

Correct Answer: A

Question #149

Topic 1

Which AWS service enables you to monitor and debug distributed applications end-to-end?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

Correct Answer: D

Reference:

<https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing>

Question #150

Topic 1

A corporation is required by law to track and assess configuration changes to AWS resources, as well as to conduct corrective steps.

Which Amazon Web Services (AWS) service should the business use?

- A. AWS Config
- B. AWS Secrets Manager
- C. AWS CloudTrail
- D. AWS Trusted Advisor

Correct Answer: A

Reference:

<https://aws.amazon.com/config/>

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- Expert Verified, Online, **Free**.

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Question #151

Topic 1

Which AWS service should be utilized to store data backups for an extended period of time at a reasonable cost?

- A. Amazon RDS
- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

Correct Answer: B

Explanation -

Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup. Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.

Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases. Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from tamper proof physical devices. Similarly, Elastic block storage offers persistent block storage volumes for EC2 instances.

Reference:

<https://aws.amazon.com/backup-restore/services/>

Question #152

Topic 1

What does the AWS Cloud bring clients in terms of increased execution speed and agility? (Select two.)

- A. Readily available resources with low provisioning times Most Voted
- B. Scalable compute capacity Most Voted
- C. Free Tier services usage
- D. Access to AWS data centers
- E. Lower resource provisioning cost

Correct Answer: AD

Reference:

<https://d1.awsstatic.com/whitepapers/aws-overview.pdf>

Community vote distribution

AB (100%)

Question #153

Which AWS shared responsibility model duties are the customer's responsibility? (Select two.)

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

Correct Answer: CE

Reference:

<https://cloucademy.com/blog/aws-shared-responsibility-model-security/>

Question #154

Topic 1

A retailer wishes to supply just the resources required to meet current demand.

Which cloud advantage is the organization attempting to accomplish with this objective?

- A. Reliability
- B. Global reach
- C. Scalability
- D. High availability

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

Question #155

Topic 1

What storage capabilities does Amazon S3 Intelligent-Tiering provide?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

Correct Answer: C

Reference:

<https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

Question #156

Topic 1

A business wishes to transfer its apps to an AWS VPC. These apps will need access to resources located on-premises.

Which combination of activities will allow the business to achieve this objective? (Select two.)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

Correct Answer: BD

Reference:

<https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

Question #157

Topic 1

A corporation want to remove the necessity for pre-deployment estimation of infrastructure capacity. Additionally, the corporation want to spend its money on cloud resources only when the resources are used.

Which AWS Cloud feature best meets the needs of your business?

- A. Reliability
- B. Global reach
- C. Economies of scale
- D. Pay-as-you-go pricing Most Voted

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>*Community vote distribution*

D (84%)

Other

Question #158

Topic 1

What is the most effective approach to link an on-premises network to numerous VPCs located in separate AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

Correct Answer: D

Reference:

[\(11\)](https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf)

Question #159

Topic 1

Which AWS service does Chef and Puppet utilize to automate configuration management?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

Correct Answer: B

Reference:

<https://aws.amazon.com/opsworks/>

Question #160

Topic 1

SQL injection attacks are being launched against an application from a variety of external locations.

Which AWS service or functionality can assist in automating response to these attacks?

- A. AWS WAF
- B. Security groups
- C. Elastic Load Balancer
- D. Network ACL

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/waf-rule-statement-type-sqli-match.html>[◀ Previous Questions](#)[Next Questions ➔](#)



- Expert Verified, Online, **Free**.

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Question #161

Topic 1

Which feature enables Amazon EC2 instances to be more elastic in response to changing workload demand?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling

Correct Answer: D

Support for monitoring the health of each service independently, as health checks are defined at the target group level and many CloudWatch metrics are reported at the target group level. Attaching a target group to an Auto Scaling group enables you to scale each service dynamically based on demand.

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

Community vote distribution

D (67%)

C (33%)

Question #162

Topic 1

What time-saving benefits can Amazon Rekognition provide?

- A. Amazon Rekognition provides automatic watermarking of images.
- B. Amazon Rekognition provides automatic detection of objects appearing in pictures.
- C. Amazon Rekognition provides the ability to resize millions of images automatically.
- D. Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.

Correct Answer: B

Rekognition Image is an image recognition service that detects objects, scenes, and faces; extracts text; recognizes celebrities; and identifies inappropriate content in images. It also allows you to search and compare faces. Rekognition Image is based on the same proven, highly scalable, deep learning technology developed by Amazon's computer vision scientists to analyze billions of images daily for Prime Photos.

Reference:

<https://aws.amazon.com/rekognition/faqs/>

Question #163

Topic 1

A corporation want to migrate petabytes of data from on-premises sites to the AWS Cloud as rapidly as feasible.

Which Amazon Web Services (AWS) service should the business use?

- A. AWS Snowball
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon Connect

Correct Answer: A

Reference:

<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>

Question #164

Topic 1

Where should a business go to locate, test, purchase, and deploy software that works on AWS?

- A. AWS Marketplace
- B. Amazon Lumberyard
- C. AWS Artifact
- D. Amazon CloudSearch

Correct Answer: A

AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS.

Reference:

<https://aws.amazon.com>

Question #165

Topic 1

A business's user base is worldwide in scope. The organization need a highly available application with reduced latency for end users.

Which AWS architecture approach will meet these criteria the MOST EFFECTIVELY?

- A. Single-Region, Multi-AZ architecture
- B. Multi-Region, active-active architecture
- C. Multi-Region, active-passive architecture
- D. Single-Region, Single-AZ architecture

Correct Answer: B

Question #166

Topic 1

Which duty is the customer's responsibility under the AWS shared responsibility model?

- A. Maintaining the infrastructure needed to run AWS Lambda
- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

Correct Answer: D

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Customers%20are%20responsible%20for%20managing,also%20extends%20to%20IT%20controls>

Community vote distribution

D (100%)

Question #167

Topic 1

How can a user safeguard against AWS service outages in the event of a widespread natural disaster?

- A. Deploy applications across multiple Availability Zones within an AWS Region.
- B. Use a hybrid cloud computing deployment model within the geographic area.
- C. Deploy applications across multiple AWS Regions.
- D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.

Correct Answer: C

An AWS Region is a geographic location where AWS provides multiple, physically separated and isolated Availability Zones which are connected with low latency, high throughput, and highly redundant networking.

Reference:

<https://aws.amazon.com/s3/faqs/>

Question #168

Topic 1

A client has many AWS accounts, each with its own billing.

How can the client benefit from bulk savings while minimizing the effect on AWS resources?

- A. Create one global AWS account and move all AWS resources to the account.
- B. Sign up for three years of Reserved Instance pricing up front.
- C. Use the consolidated billing feature from AWS Organizations.
- D. Sign up for the AWS Enterprise support plan to get volume discounts.

Correct Answer: C

Reference:

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

Question #169

Topic 1

A business must keep its data near to its core consumers.

Which AWS Cloud advantage satisfies this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

Correct Answer: D

Question #170

Topic 1

A company's managed IAM policy does not allow users the rights essential to do needed activities.

How is this situation to be resolved?

- A. Enable AWS Shield Advanced
- B. Create a custom IAM policy
- C. Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace
- D. Use AWS Key Management Service (AWS KMS) to create a customer-managed key

Correct Answer: B

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Question #171

Topic 1

A business wishes to strengthen its security and audit posture by restricting incoming access to Amazon EC2.

What should the organization use instead of opening incoming SSH ports and handling SSH keys to remotely access instances?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

Correct Answer: *B*

Reference:

<https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html>

Question #172

Topic 1

Which scenarios warrant the utilization of Amazon EC2 Spot Instances?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

Correct Answer: *D*

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-leveraging-ec2-spot-instances/spot-instance-interruptions.html>

Question #173

Topic 1

Which tasks need access to the root user of the AWS account? (Select two.)

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
- E. Closing an AWS account

Correct Answer: AE

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

Question #174

Topic 1

Which AWS Cloud best practice makes advantage of cloud computing's flexibility and agility?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

Correct Answer: B

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

Question #175

Topic 1

Users of Amazon Route 53 are able to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide>Welcome.html>

Question #176

Topic 1

Which characteristic of the Amazon Virtual Private Cloud (Amazon VPC) allows customers to link two VPCs?

- A. Amazon VPC endpoints
- B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- C. Amazon VPC peering
- D. AWS Direct Connect

Correct Answer: C

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).

Reference:

<https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

Question #177

Topic 1

A business is contemplating migrating to the AWS Cloud. The firm wishes to be able to scale its computing capacity in response to changing demand conditions.

Which AWS Cloud advantage does this case illustrate?

- A. Global deployments in minutes
- B. Cost savings
- C. Agility
- D. Elasticity

Correct Answer: D

Question #178

Topic 1

A client wants to develop and construct a new workload on AWS Cloud but lacks the necessary technical skills in AWS-related technologies.

Which of the following AWS programs may a client use to accomplish that goal?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

Correct Answer: C

Question #179

Topic 1

Which service's primary objective is to manage software versions?

- A. Amazon CodeStar
- B. AWS Command Line Interface (AWS CLI)
- C. Amazon Cognito
- D. AWS CodeCommit

Correct Answer: D

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately store and manage assets (such as documents, source code, and binary files) in the cloud.

Reference:

<https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

Question #180

Topic 1

Which of the following is a NoSQL database service that is both quick and dependable?

- A. Amazon Redshift
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon S3

Correct Answer: C

Reference:

<https://aws.amazon.com/dynamodb/>

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Question #181

Topic 1

Which AWS solution enables rapid setup and management of a new multi-account AWS environment?

- A. AWS Trusted Advisor
- B. AWS Security Hub
- C. AWS Control Tower
- D. AWS Resource Access Manager

Correct Answer: C

Reference:

<https://aws.amazon.com/about-aws/whats-new/2020/04/you-can-now-use-aws-control-tower-to-set-up-new-multi-account-aws-environments-in-aws-organizations/>

Question #182

Topic 1

Which operation needs the usage of the root account user credentials for the AWS account?

- A. Closing an AWS account
- B. Creating a log file
- C. Modifying IAM user permissions
- D. Deleting IAM users

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

On Amazon EC2 instances, a business is operating and controlling its own Docker environment. Alternate is desired to assist in managing cluster size, scheduling, and environment management.

Which AWS service satisfies these criteria?

- A. AWS Lambda
- B. Amazon RDS
- C. AWS Fargate
- D. Amazon Athena

Correct Answer: C

Reference:

<https://aws.amazon.com/ecs/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc&ecs-blogs.sort-by=item.additionalFields.createdDate&ecs-blogs.sort-order=desc>

Question #184

Which AWS situations exemplify the idea of elasticity? (Select two.)

- A. Scaling the number of Amazon EC2 instances based on traffic.
- B. Resizing Amazon RDS instances as business needs change.
- C. Automatically directing traffic to less-utilized Amazon EC2 instances.
- D. Using AWS compliance documents to accelerate the compliance process.
- E. Having the ability to create and govern environments using code.

Correct Answer: AB

Reference:

<https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

Community vote distribution

AB (50%)

AC (50%)

Question #185

Which of the following are advantages of using the AWS Cloud to host infrastructure? (Select two.)

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

Correct Answer: AC

Question #186

Topic 1

Which of the following are benefits of Amazon Web Services' cloud computing platform? (Select two.)

- A. AWS manages the maintenance of the cloud infrastructure
- B. AWS manages the security of applications built on AWS
- C. AWS manages capacity planning for physical servers
- D. AWS manages the development of applications on AWS
- E. AWS manages cost planning for virtual servers

Correct Answer: AC

Reference:

<https://aws.amazon.com/compliance/data-center/controls/>*Community vote distribution*

AC (100%)

Question #187

Topic 1

Which AWS service enables infrastructure as code management?

- A. AWS CodePipeline
- B. AWS CodeDeploy
- C. AWS Direct Connect
- D. AWS CloudFormation

Correct Answer: D

AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This file serves as the single source of truth for your cloud environment.

Reference:

<https://aws.amazon.com/cloudformation/>

Question #188

Topic 1

What are the benefits of deploying an application across various Availability Zones using Amazon EC2 instances? (Select two.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

Correct Answer: AD

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html>*Community vote distribution*

AD (100%)

Question #189

Topic 1

A business wishes to downsize its infrastructure in order to save money.

At what stages should a business downsize? (Select two.)

- A. Rightsize before a migration occurs to the cloud. Most Voted
- B. Rightsize continuously after the cloud onboarding process. Most Voted
- C. Rightsize when AWS Support calls and explains that rightsizing is needed.
- D. Rightsize when seasonal workloads are at their peak.
- E. Rightsize after purchasing all Reserved Instances.

Correct Answer: DE

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/tips-for-right-sizing-your-workloads.html>

Community vote distribution

AB (100%)

Question #190

Topic 1

What are the advantages of unified billing for Amazon Web Services accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

Correct Answer: B

Reference:

<https://jayendrapatil.com/aws-consolidated-billing/>

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Question #191

Topic 1

AWS Budgets may be used for the following purposes:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

Correct Answer: B

Community vote distribution

B (50%)

C (50%)

Question #192

Topic 1

A corporation want to connect to AWS from a distant office through a private, low-latency connection.

Which strategy is advised for meeting these requirements?

- A. Create a VPN tunnel
- B. Connect across the public internet
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

Correct Answer: D

Reference:

<https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

Question #193

Topic 1

Which Amazon EC2 pricing model is dynamically adjusted in response to EC2 instance availability and demand?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

Correct Answer: C

In the new model, the Spot prices are more predictable, updated less frequently, and are determined by supply and demand for Amazon EC2 spare capacity, not bid prices.

Reference:

<https://aws.amazon.com/blogs/compute/new-amazon-ec2-spot-pricing/>

Question #194

Topic 1

Which choices do users have when contacting AWS Support? (Select two.)

- A. Create an email case in the AWS Support Center.
- B. Visit a local AWS Support Center.
- C. Use live chat functionality.
- D. Call the customer service phone number.
- E. Use the video conference functionality of the AWS Support console.

Correct Answer: CD

If you select Chat, you can chat online with a representative from AWS Support.

If you select Phone, you're prompted for a callback number. You receive a call from AWS Support as soon as you create the case.

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/aws-phone-support/>

Community vote distribution

AC (100%)

Question #195

Topic 1

Which service should a client utilize to integrate and manage several Amazon Web Services accounts centrally?

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool
- D. AWS Config

Correct Answer: B

Reference:

<https://aws.amazon.com/organizations/>

Question #196

Topic 1

A business must track and anticipate AWS expenditures and use. Additionally, the organization must configure event-driven alert alerts that are triggered when expenditure limitations are exceeded.

Which Amazon Web Services (AWS) offering or technology should the business employ to achieve these requirements?

- A. AWS Budgets
- B. Amazon CloudWatch
- C. AWS Config
- D. AWS Service Catalog

Correct Answer: A

Reference:

<https://aws.amazon.com/aws-cost-management/aws-budgets/>

Question #197

Topic 1

Which of the following IT functions does AWS do in order to relieve a business of its responsibility for managing its IT resources? (Select two.)

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

Correct Answer: CE

Question #198

Topic 1

Which AWS technologies aid in cost estimation? (Select three.)

- A. Detailed billing report
- B. Cost allocation tags
- C. AWS Simple Monthly Calculator
- D. AWS Total Cost of Ownership (TCO) Calculator
- E. Cost Estimator

Correct Answer: BCD

Community vote distribution

CDE (100%)

Question #199

Topic 1

In comparison to conventional and virtualized data center prices, AWS offers the following:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.
- D. lower variable costs and lower upfront costs.

Correct Answer: D

Reference:

[\(10\)](https://d1.awsstatic.com/whitepapers/introduction-to-aws-cloud-economics-final.pdf)

Question #200

Topic 1

Which situations should the AWS Abuse team be notified about?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

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Question #201

Topic 1

According to the AWS shared responsibility model, what is AWS responsible for?

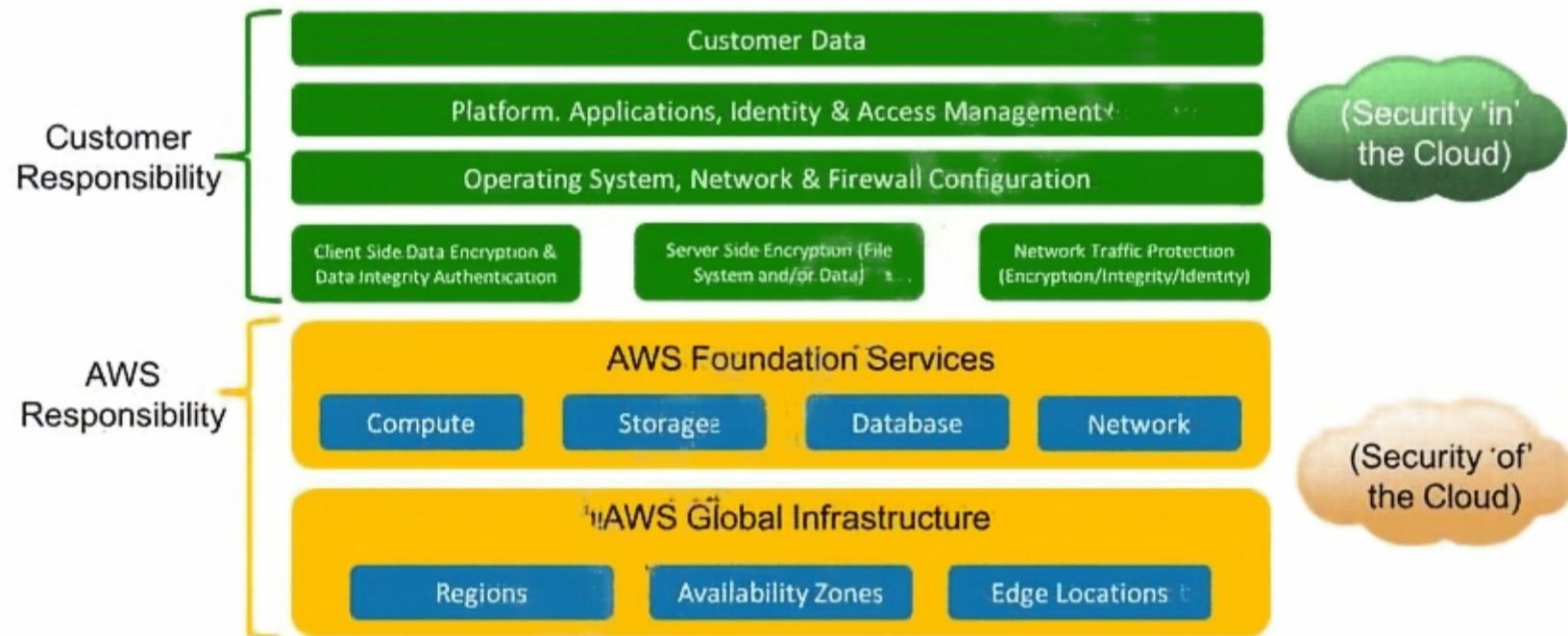
- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

Correct Answer: D

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Shared Responsibility Model: Infrastructure Services



Question #202

Topic 1

Which service should be used to estimate the costs of running a new project on AWS?

- A. AWS TCO Calculator
- B. AWS Simple Monthly Calculator**
- C. AWS Cost Explorer API
- D. AWS Budgets

Correct Answer: B

To forecast your costs, use the AWS Cost Explorer. Use cost allocation tags to divide your resources into groups, and then estimate the costs for each group.

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

Question #203

Topic 1

Which AWS tool will identify security groups that grant unrestricted Internet access to a limited list of ports?

- A. AWS Organizations
- B. AWS Trusted Advisor**
- C. AWS Usage Report
- D. Amazon EC2 dashboard

Correct Answer: B

Question #204

Topic 1

Which AWS service can be used to generate alerts based on an estimated monthly bill?

- A. AWS Config
- B. Amazon CloudWatch**
- C. AWS X-Ray
- D. AWS CloudTrail

Correct Answer: B

You can monitor your estimated AWS charges by using Amazon CloudWatch. When you enable the monitoring of estimated charges for your AWS account, the estimated charges are calculated and sent several times daily to CloudWatch as metric data.

Billing metric data is stored in the US East (N. Virginia) Region and represents worldwide charges. This data includes the estimated charges for every service in

AWS that you use, in addition to the estimated overall total of your AWS charges.

Reference:

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

Question #205

Topic 1

Which Amazon EC2 pricing model offers the MOST significant discount when compared to On-Demand Instances?

- A. Partial Upfront Reserved Instances for a 1-year term
- B. All Upfront Reserved Instances for a 1-year term
- C. All Upfront Reserved Instances for a 3-year term
- D. No Upfront Reserved Instances for a 3-year term

Correct Answer: C

Reference:

<https://aws.amazon.com/ec2/pricing/reserved-instances/>

Standard and Convertible RI Payment Attributes

- **Offering class:** There are two classes of RIs: Convertible and Standard. Convertible RIs can be exchanged for different Convertible RIs of equal or greater value.
- **Term:** AWS offers Standard RIs for 1-year or 3-year terms. [Reserved Instance Marketplace](#) sellers also offer RIs often with shorter terms. AWS offers Convertible RIs for 1-year or 3-year terms.
- **Payment option:** You can choose between three payment options: All Upfront, Partial Upfront, and No Upfront. If you choose the Partial or No Upfront payment option, the remaining balance will be due in monthly increments over the term.

Question #206

Topic 1

Which of the following is the responsibility of AWS?

- A. Setting up AWS Identity and Access Management (IAM) users and groups
- B. Physically destroying storage media at end of life
- C. Patching guest operating systems
- D. Configuring security settings on Amazon EC2 instances

Correct Answer: B

Media storage devices used to store customer data are classified by AWS as Critical and treated accordingly, as high impact, throughout their life-cycles. AWS has exacting standards on how to install, service, and eventually destroy the devices when they are no longer useful. When a storage device has reached the end of its useful life, AWS decommissions media using techniques detailed in NIST 800-88. Media that stored customer data is not removed from AWS control until it has been securely decommissioned.

Reference:

<https://aws.amazon.com/compliance/data-center/controls/>

Question #207

Topic 1

Which of the following is an advantage of using AWS?

- A. AWS audits user data.
- B. Data is automatically secure.
- C. There is no guessing on capacity needs.
- D. AWS manages compliance needs.

Correct Answer: C

AWS manages dozens of compliance programs in its infrastructure. This means that segments of your compliance have already been completed.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/security-and-compliance.html>

Question #208

Topic 1

Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

- A. AWS Lambda
- B. Amazon DynamoDB Accelerator
- C. Amazon Route 53
- D. Amazon CloudFront

Correct Answer: D

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. CloudFront is integrated with AWS in both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

Reference:

<https://aws.amazon.com/cloudfront/>

Question #209

Topic 1

Which services manage and automate application deployments on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS CodeCommit
- C. AWS Data Pipeline
- D. AWS CloudFormation
- E. AWS Config

Correct Answer: AD

Reference:

<https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/deploying.applications.html>

You can use AWS CloudFormation to automatically install, configure, and start applications on Amazon EC2 instances. Doing so enables you to easily duplicate deployments and update existing installations without connecting directly to the instance, which can save you a lot of time and effort.

CloudFormation includes a set of helper scripts (cfn-init, cfn-signal, cfn-get-metadata, and cfn-hup) that are based on cloud-init. You call these helper scripts from your CloudFormation templates to install, configure, and update applications on Amazon EC2 instances that are in the same template.

The following walkthrough describes how to create a template that launches a LAMP stack by using cfn helper scripts to install, configure, and start Apache, MySQL, and PHP. You'll start with a simple template that sets up a basic Amazon EC2 instance running Amazon Linux, and then continue adding to the template until it describes a full LAMP stack.

For additional strategies and examples about deploying applications with CloudFormation, see the [Bootstrapping applications via AWS CloudFormation](#) article.

Question #210

Topic 1

A user wants guidance on possible savings when migrating from on-premises to AWS.

Which tool is suitable for this scenario?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. AWS Well-Architected Tool

Correct Answer: C

The TCO Calculator provides directional guidance on possible realized savings when deploying AWS. This tool is built on an underlying calculation model, that generates a fair assessment of value that a customer may achieve given the data provided by the user.

Reference:

<https://aws.amazon.com/tco-calculator/>

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Question #211

Topic 1

Which principles are used to architect applications for reliability on the AWS Cloud? (Choose two.)

- A. Design for automated failure recovery
- B. Use multiple Availability Zones
- C. Manage changes via documented processes
- D. Test for moderate demand to ensure reliability
- E. Backup recovery to an on-premises environment

Correct Answer: AB

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

3. Reliability

The Reliability pillar encompasses the ability of a workload to perform its intended function correctly and consistently when it's expected to. This includes the ability to operate and test the workload through its total lifecycle. You can find prescriptive guidance on implementation in the [Reliability Pillar whitepaper](#).

Design Principles

There are five design principles for reliability in the cloud:

- Automatically recover from failure
- Test recovery procedures
- Scale horizontally to increase aggregate workload availability
- Stop guessing capacity
- Manage change in automation

Question #212

Topic 1

What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

- A. Rotate passwords and access keys.
- B. Remove MFA tokens.
- C. Move resources to a different AWS Region.
- D. Delete AWS CloudTrail Resources.
- E. Contact AWS Support.

Correct Answer: AE

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise/>

Short description

Note: If you can't sign in to your account, use the [Contact Us](#) form to request help from AWS Support. The form also includes instructions on how to reset your password.

If you observe unauthorized activity within your AWS account, or you believe that an unauthorized party accessed your account, then do the following:

- [Rotate](#) and [delete](#) all root and AWS Identity and Access Management (IAM) access keys.
- Delete any potentially unauthorized IAM users, and then [change the password](#) for all other IAM users.
- [Check your bill](#). Your bill can help you identify resources that you didn't create.
- Delete any resources on your account that you didn't create, such as [Amazon Elastic Compute Cloud \(Amazon EC2\) instances](#) and [AMIs](#), [Amazon Elastic Block Store \(Amazon EBS\) volumes](#) and [snapshots](#), and [IAM users](#).
- Note:** Before deleting your resources, consider if you have a regulatory or legal need to investigate those resources. If so, consider [keeping a few snapshots of EBS resources](#).
- [Enable multi-factor authentication \(MFA\)](#) on the [root user](#) and any IAM users with console access. Enabling MFA can help you to secure the accounts and prevent unauthorized users from logging in to accounts without a security token.
- Verify that your account information is correct.
- Respond to the notifications that you received from AWS Support through the [AWS Support Center](#).

Question #213

Topic 1

What is an example of high availability in the AWS Cloud?

- A. Consulting AWS technical support at any time day or night
- B. Ensuring an application remains accessible, even if a resource fails
- C. Making any AWS service available for use by paying on demand
- D. Deploying in any part of the world using AWS Regions

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

Question #214

Topic 1

Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)
- C. Elastic Load Balancing (ELB)
- D. AWS Shield

Correct Answer: D

AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS. AWS Shield provides always-on detection and automatic inline mitigations that minimize application downtime and latency, so there is no need to engage AWS Support to benefit from DDoS protection. There are two tiers of AWS Shield - Standard and Advanced.

Reference:

<https://aws.amazon.com/shield/>

Question #215

Topic 1

A company wants to monitor the CPU usage of its Amazon EC2 resources.

Which AWS service should the company use?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Cost and Usage report
- D. Amazon Simple Notification Service (Amazon SNS)

Correct Answer: B

With Basic monitoring you get data on your cloudwatch metrics every 5 minutes. Enabling detailed monitoring, you will get the data every one minute.

To check if detailed monitoring is enabled, on your EC2 Console, Select the instance, on the lower pane, Select Monitoring.

Reference:

<https://forums.aws.amazon.com/thread.jspa?threadID=263876>

Question #216

Topic 1

What is an AWS Identity and Access Management (IAM) role?

- A. A user associated with an AWS resource
- B. A group associated with an AWS resource
- C. An entity that defines a set of permissions for use with an AWS resource
- D. An authentication credential associated with a multi-factor authentication (MFA) token

Correct Answer: C

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. Using IAM, you can create and manage

AWS users and groups, and use permissions to allow and deny their access to AWS resources.

Reference:

<https://aws.amazon.com/iam/>

Question #217

Topic 1

What are the advantages of Reserved Instances? (Choose two.)

- A. They provide a discount over on-demand pricing.
- B. They provide access to additional instance types.
- C. They provide additional networking capability.
- D. Customers can upgrade instances as new types become available.
- E. Customers can reserve capacity in an Availability Zone.

Correct Answer: AE

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/>

An Amazon **Reserved Instance** (RI) is a billing discount that allows you to save on your Amazon EC2 usage costs. When you purchase a Reserved Instance, you can set attributes such as instance type, platform, tenancy, Region, or Availability Zone (optional). Any existing or new On-Demand Instances matching the selected attributes are charged at the discounted Reserved Instance price. Reserved Instances act as an automatic discount on new or existing On-Demand Instances in your account.

Note: Because a Reserved Instance is a billing discount, it doesn't affect the running of any existing instances.

The Reserved Instance doesn't provide a discount until you launch an instance with the required specifications.

You receive discounts or capacity reservations depending on which RI you choose:

- Regional Reserved Instances provide a pricing discount that helps you save money. Regional RIs apply a discount to On-Demand Instances you run in a particular Region.
- Zonal Reserved Instances allow you to create a capacity reservation for an instance type within a specific Availability Zone. Zonal RIs also provide substantial discounts over On-Demand Pricing.

Question #218

Topic 1

How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

- A. They automatically add more instances across multiple AWS Regions based on global demand of the application.
- B. They automatically add or replace instances across multiple Availability Zones when the application needs it.
- C. They enable the application's static content to reside closer to end users.
- D. They are able to distribute incoming requests across a tier of web server instances.

Correct Answer: B

When the unhealthy Availability Zone returns to a healthy state, Auto Scaling automatically redistributes the application instances evenly across all of the designated Availability Zones.

Reference:

<https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.html>

Question #219

Topic 1

How can one AWS account use Reserved Instances from another AWS account?

- A. By using Amazon EC2 Dedicated Instances
- B. By using AWS Organizations consolidated billing**
- C. By using the AWS Cost Explorer tool
- D. By using AWS Budgets

Correct Answer: B

The account that originally purchased the Reserved Instance receives the discount first. If the purchasing account doesn't have any instances that match the terms of the Reserved Instance, the discount for the Reserved Instance is assigned to any matching usage on another account in the organization.

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

Question #220

Topic 1

A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours, 5 minutes, and 6 seconds.

For how much time will the customer be billed?

- A. 3 hours, 5 minutes
- B. 3 hours, 5 minutes, and 6 seconds**
- C. 3 hours, 6 minutes
- D. 4 hours

Correct Answer: B

Reference:

<https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

Today, customers may have use cases that require large number of instances running for irregular periods of time, such as dev/test, data processing, analytics, batch processing, image rendering and gaming applications. To improve flexibility and allow customers to focus on their application instead of maximizing usage to the hour, with EC2 per second billing, customers can start, stop, and terminate EC2 instances and take comfort in the fact that their EC2 resources will not be charged for the minutes and seconds remaining in the hours their instances were running.

This change is effective in all AWS Regions and is effective immediately, for Linux instances that are newly launched or already running. Per-second billing is not currently applicable to instances running Microsoft Windows or Linux distributions that have a separate hourly charge.

List prices and Spot Market prices are still listed on a per-hour basis, but bills are calculated down to the second. With Reserved Instances usage you can launch, use, and terminate multiple instances within an hour and get the Reserved Instance Benefit for all of the instances. Bills will now show times in decimal form instead of in minutes and seconds.

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Question #221

Topic 1

Which of the following AWS services provide compute resources? (Choose two.)

- A. AWS Lambda
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS CodeDeploy
- D. Amazon Glacier
- E. AWS Organizations

Correct Answer: AB

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

Question #222

Topic 1

Which AWS service enables users to deploy infrastructure as code by automating the process of provisioning resources?

- A. Amazon GameLift
- B. AWS CloudFormation
- C. AWS Data Pipeline
- D. AWS Glue

Correct Answer: B

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS

CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference:

<https://aws.amazon.com/cloudformation/>

Question #223

Topic 1

Which AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Choose two.)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

Correct Answer: BD

Reference:

<https://aws.amazon.com/hybrid/>

Storage



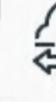
AWS Storage Gateway

AWS Storage Gateway simplifies hybrid cloud storage management and reduces costs by enabling on-premises workloads to use AWS storage.



AWS Backup

AWS Backup makes it easy to centralize and automate the back up of data across AWS in the cloud and on-premises.



AWS CloudFront...
au...
yo...
or...
pro...

Networking



AWS Direct Connect

AWS Direct Connect establishes a private virtual interface from your on-premises network to your Amazon Virtual Private Cloud (VPC).



Amazon Route 53 Resolver

Amazon Route 53 Resolver delivers recursive DNS to your Amazon VPC and on-premises networks.

Question #224

Topic 1

Which of the following allows users to provision a dedicated network connection from their internal network to AWS?

- A. AWS CloudHSM
- B. AWS Direct Connect**
- C. AWS VPN
- D. Amazon Connect

Correct Answer: B

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

Reference:

<https://aws.amazon.com/directconnect/>

Question #225

Topic 1

Which services use AWS edge locations? (Choose two.)

- A. Amazon CloudFront**
- B. AWS Shield**
- C. Amazon EC2
- D. Amazon RDS
- E. Amazon ElastiCache

Correct Answer: AB

Reference:

<https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

Question #226

Topic 1

Which service would provide network connectivity in a hybrid architecture that includes the AWS Cloud?

- A. Amazon VPC
- B. AWS Direct Connect**
- C. AWS Directory Service
- D. Amazon API Gateway

Correct Answer: B

Amazon Virtual Private Cloud (Amazon VPC) is a logically isolated, private section of the AWS Cloud to launch resources in a virtual data center in the cloud.

Amazon VPC allows you to leverage multiple Availability Zones (AZ) within a region so that you can build greater fault tolerance within your workloads. You have complete control.

Reference:

<https://aws.amazon.com/blogs/publicsector/aws-networking-capabilities-gives-you-choices-for-hybrid-cloud-connectivity-but-which-service-works-best-for-your-use-case/>

Question #227

Topic 1

Which tool can be used to compare the costs of running a web application in a traditional hosting environment to running it on AWS?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Total Cost of Ownership (TCO) Calculator**

Correct Answer: D

Reference:

<https://aws.amazon.com/tco-calculator/>

Question #228

Topic 1

What is the value of using third-party software from AWS Marketplace instead of installing third-party software on Amazon EC2? (Choose two.)

- A. Users pay for software by the hour or month depending on licensing.**
- B. AWS Marketplace enables the user to launch applications with 1-Click.**
- C. AWS Marketplace data encryption is managed by a third-party vendor.
- D. AWS Marketplace eliminates the need to upgrade to newer software versions.
- E. Users can deploy third-party software without testing.

Correct Answer: AB

Reference:

<https://aws.amazon.com/partners/aws-marketplace/>

Question #229

Topic 1

Which of the following is a cloud architectural design principle?

- A. Scale up, not out.
- B. Loosely couple components.**
- C. Build monolithic systems.
- D. Use commercial database software.

Correct Answer: *B*

Loosely coupled architectures reduce interdependencies, so that a change or failure in a component does not cascade to other components.

Reference:

https://aws-certified-cloud-practitioner.fandom.com/wiki/1.3_List_the_different_cloud_architecture_design_principles

Question #230

Topic 1

Under the shared responsibility model; which of the following areas are the customer's responsibility? (Choose two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems**
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group**

Correct Answer: *BE*

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

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Question #231

Topic 1

Which service enables customers to audit and monitor changes in AWS resources?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. Amazon Inspector
- D. AWS Config

Correct Answer: D

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your

AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference:

<https://aws.amazon.com/config/>

Question #232

Topic 1

Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

Correct Answer: B

Question #233

Topic 1

According to the AWS shared responsibility model, who is responsible for configuration management?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

Correct Answer: C

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #234

Topic 1

Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

- A. AWS CloudFormation
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. Amazon Pinpoint

Correct Answer: C

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. CloudFront is integrated with AWS in both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

Reference:

<https://aws.amazon.com/cloudfront/>

Question #235

Topic 1

Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

- A. Security
- B. Reliability
- C. Elasticity
- D. High availability

Correct Answer: C

Reference:

<https://wa.aws.amazon.com/wat.map.en.html>

Question #236

Topic 1

A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack.

Who should the user contact FIRST about this situation?

- A. AWS Premium Support
- B. AWS Technical Account Manager
- C. AWS Solutions Architect
- D. AWS Abuse team

Correct Answer: D

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

- **Denial-of-service (DoS) attacks:** Your logs show that one or more AWS-owned IP addresses are used to flood ports on your resources with packets. You also believe that this is an attempt to overwhelm or crash your server or the software running on your server.
- **Intrusion attempts:** Your logs show that one or more AWS-owned IP addresses are used to attempt to log in to your resources.
- **Hosting prohibited content:** You have evidence that AWS resources are used to host or distribute prohibited content, such as illegal content or copyrighted content without the consent of the copyright holder.
- **Distributing malware:** You have evidence that AWS resources are used to distribute software that was knowingly created to compromise or cause harm to computers or machines that it's installed on.

If you suspect that AWS resources are used for abusive purposes, contact the AWS Trust & Safety team using the [Report Amazon AWS abuse form](#), or by contacting abuse@amazonaws.com. Provide all the necessary information, including logs in plaintext, email headers, and so on, when you submit your request.

The AWS Trust & Safety team might forward log details as-is, but they don't forward personally identifiable information unless those details are required for the investigation, or unless explicit permission is given to do so.

Question #237

Topic 1

Which of the following are benefits of hosting infrastructure in the AWS Cloud? (Choose two.)

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

Correct Answer: AC

Question #238

Topic 1

Access keys in AWS Identity and Access Management (IAM) are used to:

- A. log in to the AWS Management Console.
- B. make programmatic calls to AWS from AWS APIs.
- C. log in to Amazon EC2 instances.
- D. authenticate to AWS CodeCommit repositories.

Correct Answer: B

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

Question #239

Topic 1

What is AWS Trusted Advisor?

- A. It is an AWS staff member who provides recommendations and best practices on how to use AWS.
- B. It is a network of AWS partners who provide recommendations and best practices on how to use AWS.
- C. It is an online tool with a set of automated checks that provides recommendations on cost optimization, performance, and security.
- D. It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

Correct Answer: C

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices. Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

Question #240

Topic 1

Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Organizations
- D. Consolidated billing

Correct Answer: B

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.

Reference:

<https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>[← Previous Questions](#)[Next Questions →](#)



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Question #241

Topic 1

Which AWS service offers on-demand access to AWS security and compliance reports?

- A. AWS CloudTrail
- B. AWS Artifact
- C. AWS Health
- D. Amazon CloudWatch

Correct Answer: B

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card

Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement

(NDA).

Reference:

<https://aws.amazon.com/artifact/>

Question #242

Topic 1

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Choose two.)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency.
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages.
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency.
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages.
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency.

Correct Answer: AC

Reference:

<https://aws.amazon.com/comprehend/features/>

<https://aws.amazon.com/cloudfront/>

Question #243

Topic 1

Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

- A. AWS Config
- B. AWS Elastic Beanstalk**
- C. Amazon Route 53
- D. Amazon CloudFront

Correct Answer: B

Upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.

Reference:

<https://aws.amazon.com/elasticbeanstalk/>

Community vote distribution

B (100%)

Question #244

Topic 1

Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC**
- D. Amazon API Gateway

Correct Answer: C

Reference:

https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html

Amazon Virtual Private Cloud provides features that you can use to increase and monitor the security for your virtual private cloud (VPC):

- **Security groups:** Security groups act as a firewall for associated Amazon EC2 instances, controlling both inbound and outbound traffic at the instance level. When you launch an instance, you can associate it with one or more security groups that you've created. Each instance in your VPC could belong to a different set of security groups. If you don't specify a security group when you launch an instance, the instance is automatically associated with the default security group for the VPC. For more information, see [Security groups for your VPC](#).
- **Network access control lists (ACLs):** Network ACLs act as a firewall for associated subnets, controlling both inbound and outbound traffic at the subnet level. For more information, see [Network ACLs](#).

Question #245

Topic 1

When a company provisions web servers in multiple AWS Regions, what is being increased?

- A. Coupling
- B. Availability**
- C. Security
- D. Durability

Correct Answer: B

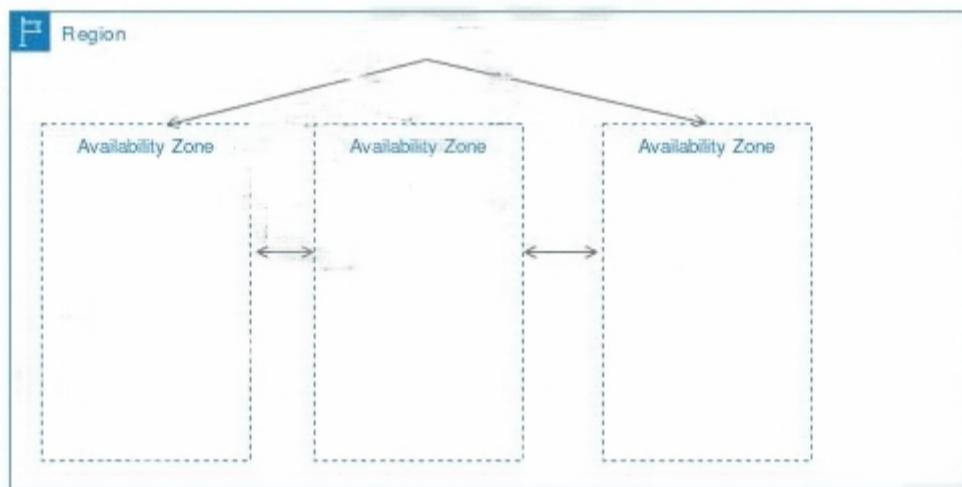
Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Availability Zones

Each Region has multiple, isolated locations known as *Availability Zones*. When you launch an instance, you can select an Availability Zone or let us choose one for you. If you distribute your instances across multiple Availability Zones and one instance fails, you can design your application so that an instance in another Availability Zone can handle requests.

The following diagram illustrates multiple Availability Zones in an AWS Region.



Question #246

Topic 1

The pay-as-you-go pricing model for AWS services:

- A. reduces capital expenditures.**
- B. requires payment up front for AWS services.
- C. is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.
- D. reduces operational expenditures.

Correct Answer: A

Reference:

<https://www.10thmagnitude.com/opex-vs-capex-the-real-cloud-computing-cost-advantage/>

Question #247

Topic 1

Under the AWS shared responsibility model, AWS is responsible for which security-related task?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure**
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

Correct Answer: B

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question #248

Topic 1

Which AWS service enables users to consolidate billing across multiple accounts?

- A. Amazon QuickSight
- B. AWS Organizations**
- C. AWS Budgets
- D. Amazon Forecast

Correct Answer: B

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Question #249

Topic 1

Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

- A. Managing edge locations
- B. Physical security**
- C. Firewall configuration Most Voted
- D. Global infrastructure

Correct Answer: B

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #250

Topic 1

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

- A. AWS Senior Support Engineers
- B. AWS Technical Account Managers
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

Correct Answer: D

Reference:

<https://aws.amazon.com/premiumsupport/faqs/>

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Question #251

Topic 1

Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)

- A. Multiple Availability Zones
- B. Performance efficiency
- C. Security
- D. Encryption usage
- E. High availability

Correct Answer: BC

Reference:

https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

(5)

Question #252

Topic 1

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

Correct Answer: D

Reference:

<https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

Question #253

Topic 1

What is an advantage of deploying an application across multiple Availability Zones?

- A. There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region.
- B. The application will have higher availability because it can withstand a service disruption in one Availability Zone.**
- C. There will be better coverage as Availability Zones are geographically distant and can serve a wider area.
- D. There will be decreased application latency that will improve the user experience.

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Question #254

Topic 1

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS.

What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.
- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.**
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

Question #255

Topic 1

A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources.

What combination of actions will enable the company to accomplish this goal? (Choose two.)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.**
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.**
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

Correct Answer: BD

Reference:

<https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

Question #256

Topic 1

A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. AWS IAM
- B. Amazon GuardDuty
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS WAF

Correct Answer: D

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference:

<https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

Question #257

Topic 1

Treating infrastructure as code in the AWS Cloud allows users to:

- A. automate migration of on-premises hardware to AWS data centers.
- B. let a third party automate an audit of the AWS infrastructure.
- C. turn over application code to AWS so it can run on the AWS infrastructure.
- D. automate the infrastructure provisioning process.

Correct Answer: D

Reference:

<https://asperbrothers.com/blog/infrastructure-as-code-aws/>

The benefits of Infrastructure as Code

IaC is reducing Cloud downgrades but also brings much more to the table. The benefits are many:

- **Consistency of configuration**

The traditional infrastructure deployment process is done manually and thus is vulnerable to discrepancies and human error. It's a common scenario that configurations suffer differences that are hard to identify and debug. IaC approach introduces automation that **completely standardizes the setup process**, reduces chances of incompatibilities, and boosts your systems' overall performance.

Question #258

Topic 1

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon API Gateway
- D. Amazon Connect

Correct Answer: B

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference:

<https://aws.amazon.com/directconnect/>

Question #259

Topic 1

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

Correct Answer: D

Amazon Athena is defined as an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL. So, it's another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike

Apache Drill, Athena is limited to data only from Amazon's own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

Question #260

Topic 1

AWS CloudFormation is designed to help the user:

- A. model and provision resources.
- B. update application code.
- C. set up data lakes.
- D. create reports for billing.

Correct Answer: A

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS

CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference:

<https://aws.amazon.com/cloudformation/>

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Question #261

Topic 1

Which of the following is an AWS database service?

- A. Amazon Redshift
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3 Glacier
- D. AWS Snowball

Correct Answer: A

Reference:

<https://www.sisense.com/glossary/redshift-database/>

What is a Redshift Database?

A Redshift Database is a cloud-based, big data warehouse solution offered by Amazon. The platform provides a storage system that lets companies store petabytes of data in easy-to-access “clusters” that can be queried in parallel.

Each of these nodes can be accessed independently by users and applications. Redshift is designed to be used with a variety of data sources and [data analytics tools](#) and is compatible with several existing SQL-based clients.

The platform’s architecture makes it easy to create a [Redshift connection](#) to a variety of business intelligence tools.

Question #262

Topic 1

A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports.

What is the SIMPLEST way to do this?

- A. Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.
- B. Run AWS Trusted Advisor and review the findings.
- C. Open the AWS IAM console and check the inbound rule filters for open access.
- D. In AWS Config, create a custom rule that invokes an AWS Lambda function to review rules for inbound access.

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-security-groups.html>

Question #263

Topic 1

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Choose two.)

- A. AWS automatically distributes the data globally for higher durability.
- B. AWS will take care of operating the application.
- C. AWS makes it easy to architect for high availability.
- D. AWS can easily accommodate application demand changes.
- E. AWS takes care application security patching.

Correct Answer: CD

Question #264

Topic 1

A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

Correct Answer: D

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon

Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API.

Reference:

<https://aws.amazon.com/inspector/>

Question #265

Topic 1

How can a company isolate the costs of production and non-production workloads on AWS?

- A. Create Identity and Access Management (IAM) roles for production and non-production workloads.
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services.

Correct Answer: B

Reference:

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

Question #266

Topic 1

Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

Correct Answer: A

AWS Service Catalog Delivery Partners are APN Consulting Partners who help create catalogs of IT services that are approved by the customer's organization for use on AWS. With AWS Service Catalog, customers and partners can centrally manage commonly deployed IT services to help achieve consistent governance and meet compliance requirements while enabling users to self-provision approved services.

Reference:

<https://aws.amazon.com/servicecatalog/partners/>

Question #267

Topic 1

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

Correct Answer: D

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers – particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors

– that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

Reference:

<https://aws.amazon.com/s3/storage-classes/>

Question #268

Topic 1

What are the immediate benefits of using the AWS Cloud? (Choose two.)

- A. Increased IT staff.
- B. Capital expenses are replaced with variable expenses.
- C. User control of infrastructure.
- D. Increased agility.
- E. AWS holds responsibility for security in the cloud.

Correct Answer: BD

Question #269

Topic 1

Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

- A. Amazon GuardDuty
- B. Amazon Macie**
- C. Amazon Inspector
- D. AWS Shield

Correct Answer: B

Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS. Macie recognizes sensitive data such as personally identifiable information (PII) or intellectual property. It provides you with dashboards and alerts that give visibility into how this data is being accessed or moved.

Reference:

<https://docs.aws.amazon.com/macie/latest/userguide/what-is-macie.html>

Question #270

Topic 1

What is the purpose of AWS Storage Gateway?

- A. It ensures on-premises data storage is 99.99999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.**

Correct Answer: D

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference:

<https://www.techradar.com/news/what-is-aws-storage-gateway>

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Question #271

Topic 1

What should users do if they want to install an application in geographically isolated locations?

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Configure the application using multiple NAT gateways.

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Question #272

Topic 1

A system in the AWS Cloud is designed to withstand the failure of one or more components.

What is this an example of?

- A. Elasticity
- B. High Availability
- C. Scalability
- D. Agility

Correct Answer: B

Reference:

https://wa.aws.amazon.com/wat.question.REL_7.en.html

Question #273

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system.

Which AWS service can fulfill this requirement?

- A. AWS Direct Connect
- B. AWS VPN
- C. Amazon Connect
- D. AWS Data Pipeline

Correct Answer: A

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference:

<https://aws.amazon.com/directconnect/>

Question #274

Topic 1

Within the AWS shared responsibility model, who is responsible for security and compliance?

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

Correct Answer: C

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as

AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #275

Topic 1

To use the AWS CLI, users are required to generate:

- A. a password policy.
- B. an access/secret key.
- C. a managed policy.
- D. an API key.

Correct Answer: B

Question #276

Topic 1

Which AWS service is used to provide encryption for Amazon EBS?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS KMS
- D. AWS Config

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html>

Question #277

Topic 1

How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Choose two.)

- A. By the time it takes for the Lambda function to execute.
- B. By the number of versions of a specific Lambda function.
- C. By the number of requests made for a given Lambda function.
- D. By the programming language that is used for the Lambda function.
- E. By the total number of Lambda functions in an AWS account.

Correct Answer: AC

Question #278

Topic 1

Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Choose two.)

- A. There are more AWS Regions than Availability Zones.
- B. There are more edge locations than AWS Regions.
- C. An edge location is an Availability Zone.
- D. There are more AWS Regions than edge locations.
- E. There are more Availability Zones than AWS Regions.

Correct Answer: BE

Question #279

Topic 1

What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection**
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

Correct Answer: B

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

Reference:

<https://aws.amazon.com/shield/pricing/>

Question #280

Topic 1

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources.

What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node .js code
- B. Penetration testing for security
- C. hardware required to support new applications**
- D. Writing specific test cases for third-party applications.

Correct Answer: C

Reference:

<https://aws.amazon.com/pricing/cost-optimization/>

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Question #281

Topic 1

What does AWS Marketplace allow users to do? (Choose two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

Correct Answer: BC

Reference:

<https://aws.amazon.com/marketplace>

Question #282

Topic 1

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.
- D. Some resources run on-premises and some run in the AWS Cloud.

Correct Answer: D

Reference:

<https://aws.amazon.com/hybrid/>

Question #283

Topic 1

Which AWS service allows users to identify the changes made to a resource over time?

- A. Amazon Inspector
- B. AWS Config**
- C. AWS Service Catalog
- D. AWS IAM

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/config/latest/developerguide/view-manage-resource.html>

Question #284

Topic 1

How can a company reduce its Total Cost of Ownership (TCO) using AWS?

- A. By minimizing large capital expenditures**
- B. By having no responsibility for third-party license costs
- C. By having no operational expenditures
- D. By having AWS manage applications

Correct Answer: A

AWS helps you reduce Total Cost of Ownership (TCO) by reducing the need to invest in large capital expenditures and providing a pay-as-you-go model that empowers you to invest in the capacity you need and use it only when the business requires it.

Reference:

<https://aws.amazon.com/tco-calculator/>

Question #285

Topic 1

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up**

Correct Answer: D

Reference:

<https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

Question #286

Topic 1

What are the advantages of the AWS Cloud? (Choose two.)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

Correct Answer: BC

Reference:

<https://data-flair.training/blogs/aws-advantages/>*Community vote distribution*

BC (100%)

Question #287

Topic 1

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.
- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

Correct Answer: BC

Reference:

<https://aws.amazon.com/tco-calculator/>

Question #288

Topic 1

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

Correct Answer: B

Reference:

<https://aws.amazon.com/tco-calculator/>*Community vote distribution*

B (100%)

Question #289

Topic 1

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

Correct Answer: C

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question #290

Topic 1

What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is being used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>[← Previous Questions](#)[Next Questions →](#)



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Question #291

Topic 1

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

Correct Answer: A

Reference:

<https://d1.awsstatic.com/whitepapers/Migration/aws-migration-whitepaper.pdf>

Question #292

Topic 1

Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/mt/automate-account-creation-and-resource-provisioning-using-aws-service-catalog-aws-organizations-and-aws-lambda/>

AWS services discussed in this blog post:

- **AWS Organizations** offers policy-based management for multiple AWS accounts. With AWS Organizations, you can create groups of accounts, automate account creation, apply and manage policies for those groups.
- **AWS Service Catalog** allows you to create and manage catalogs of services that are approved for use on AWS.
- **AWS CloudFormation** provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. AWS CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts.
- **AWS Lambda** lets you run code without provisioning or managing servers. You pay only for the compute time you consume. There is no charge when your code is not running.

Question #293

Topic 1

Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

Correct Answer: A

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

Question #294

Topic 1

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

Correct Answer: A

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

Question #295

Topic 1

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

Correct Answer: A

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference:

<https://aws.amazon.com/cloudtrail/>

Question #296

Topic 1

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

Correct Answer: C

Question #297

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs**
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

Correct Answer: B

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference:

<https://aws.amazon.com/economics/>

Question #298

Topic 1

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

- A. AWS Auto Scaling for Amazon EC2 instances**
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones**
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

Correct Answer: AC

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Question #299

Topic 1

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone
- D. Distribute the compute load across multiple resources**

Correct Answer: D

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference:

https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

Question #300

Topic 1

Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites Most Voted
- D. Require IAM users to store their passwords in raw text Most Voted Most Voted
- E. Disable multi-factor authentication (MFA) for IAM users Most Voted

Correct Answer: AB

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

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Question #301

Topic 1

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project.

How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

Correct Answer: CD

Reference:

<https://aws.amazon.com/solutions/aws-landing-zone/>

Community vote distribution

BC (100%)

Question #302

Topic 1

How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases

Correct Answer: C

Reference:

<https://aws.amazon.com/premiumsupport/plans/enterprise/>

Question #303

Topic 1

An application designed to span multiple Availability Zones is described as:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

Correct Answer: A

Reference:

https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NsIAxm2&sig=ACfU3U2fe5KOugmORbAoV9Igj_eCGIsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false*Community vote distribution*

A (100%)

Question #304

Topic 1

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

Correct Answer: B

Reference:

<https://aws.amazon.com/ec2/faqs/>

Question #305

Topic 1

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Simple Monthly Calculator
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. Cost Explorer

Correct Answer: C

Reference:

<https://aws.amazon.com/tco-calculator/>

Question #306

Topic 1

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

Correct Answer: A

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

If RI sharing is turned off for an account in an organization, then:

- RI discounts apply only to the account that purchased the RIs.
- RI discounts from other accounts in the organization's consolidated billing family don't apply.
- The charges accrued on that account are still added to the organization's consolidated bill and are paid by the management account.

Question #307

Topic 1

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

The AWS Trust & Safety team can assist you when AWS resources are used to engage in the following types of abusive behavior:

- **Spam:** You are receiving unwanted emails from an AWS-owned IP address, or AWS resources are used to spam websites or forums.
- **Port scanning:** Your logs show that one or more AWS-owned IP addresses are sending packets to multiple ports on your server. You also believe this is an attempt to discover unsecured ports.
- **Denial-of-service (DoS) attacks:** Your logs show that one or more AWS-owned IP addresses are used to flood ports on your resources with packets. You also believe that this is an attempt to overwhelm or crash your server or the software running on your server.
- **Intrusion attempts:** Your logs show that one or more AWS-owned IP addresses are used to attempt to log in to your resources.

Question #308

Topic 1

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Choose two.)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

Correct Answer: BD

Reference:

<https://aws.amazon.com/cloudfront/faqs/>

Question #309

Topic 1

Which AWS service or resource is serverless?

- A. AWS Lambda
- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

Correct Answer: A

Reference:

<https://blogs.itemis.com/en/serverless-services-on-aws>

Question #310

Topic 1

Which of the following are components of Amazon VPC? (Choose two.)

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

Correct Answer: BD

Reference:

https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lvl1sec26/vpc-components

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Question #311

Topic 1

AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

Correct Answer: B

Community vote distribution

B (50%)

C (50%)

Question #312

Topic 1

Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

Correct Answer: CE

Reference:

<https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

Question #313

Topic 1

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

Correct Answer: AC

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>*Community vote distribution*

AC (60%)

BD (40%)

Question #314

Topic 1

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

Question #315

Topic 1

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

Correct Answer: BC

Question #316

Topic 1

Which of the following are advantages of the AWS Cloud? (Choose two.)

- A. AWS manages the maintenance of the cloud infrastructure
- B. AWS manages the security of applications built on AWS
- C. AWS manages capacity planning for physical servers
- D. AWS manages the development of applications on AWS
- E. AWS manages cost planning for virtual servers

Correct Answer: AC

Reference:

<https://aws.amazon.com/compliance/data-center/controls/>*Community vote distribution*

AC (100%)

Question #317

Topic 1

A user deploys an Amazon RDS DB instance in multiple Availability Zones.

This strategy involves which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Reliability
- C. Cost optimization
- D. Security

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>*Community vote distribution*

B (100%)

Question #318

Topic 1

Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources? (Choose two.)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

Correct Answer: AD

Reference:

<https://aws.amazon.com/directconnect/><https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/>

Question #319

Topic 1

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon QuickSight

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html>

Question #320

Topic 1

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Amazon CloudFront

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

The AWS Cloud infrastructure is built around AWS Regions and Availability Zones. An AWS Region is a physical location in the world where we have multiple Availability Zones. Availability Zones consist of one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities. These Availability Zones offer you the ability to operate production applications and databases that are more highly available, fault tolerant, and scalable than would be possible from a single data center. The AWS Cloud operates in 80 Availability Zones within 25 geographic Regions around the world, with announced plans for more Availability Zones and Regions. For more information on the AWS Cloud Availability Zones and AWS Regions, see [AWS Global Infrastructure](#).

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Question #321

Topic 1

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

Correct Answer: D

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

Question #322

Topic 1

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

Correct Answer: D

Reference:

<https://aws.amazon.com/blogs/aws/category/auto-scaling/>

Community vote distribution

A (60%)

D (40%)

Question #323

Topic 1

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

Correct Answer: C

Reference:

<https://aws.amazon.com/premiumsupport/plans/>*Community vote distribution*

C (100%)

Question #324

Topic 1

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups.

Which AWS service will support this use case?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon DocumentDB
- D. Amazon ElastiCache

Correct Answer: A

Amazon RDS makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks, such as hardware provisioning, database setup, patching, and backups. It frees you to focus on your applications, so you can give them the fast performance, high availability, security, and compatibility that they need.

Reference:

<https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rds-responsibilities/>

Question #325

Topic 1

A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html>

Question #326

Topic 1

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. Which Amazon EC2 instance pricing option will meet these requirements?

- A. Dedicated Hosts
- B. Dedicated Instances
- C. Spot Instances
- D. Reserved Instances

Correct Answer: A

Reference:

<https://aws.amazon.com/ec2/dedicated-hosts/>

Question #327

Topic 1

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

Correct Answer: CE

Reference:

<https://docs.aws.amazon.com/crypto/latest/userguide/awscryp-service-hsm.html><https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

Question #328

Topic 1

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf>

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Question #329

Topic 1

What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

Correct Answer: BD*Community vote distribution*

BD (100%)

Question #330

Topic 1

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

Correct Answer: B

The AWS CloudHSM service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware

Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the

AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Reference:

<https://aws.amazon.com/cloudhsm/faqs/>

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Question #331

Topic 1

Under the AWS shared responsibility model, the customer manages which of the following? (Choose two.)

- A. Decommissioning of physical storage devices Most Voted
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers Most Voted
- E. Patch management of an Amazon EC2 instance operating system

Correct Answer: BE

Reference:

<https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

Community vote distribution

AD (95%) 4%

Question #332

Topic 1

Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

Correct Answer: C

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference:

<https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-database-and-networking-services/>

Question #333

Topic 1

What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required Most Voted
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

Correct Answer: B

Reference:

<https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>

Community vote distribution

B (100%)

Question #334

Topic 1

What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

Question #335

Topic 1

What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

Correct Answer: D

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #336

Topic 1

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market. Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility
- D. Reliability

Correct Answer: C

Reference:

<https://aws.amazon.com/devops/partner-solutions/>

Question #337

Topic 1

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report Most Voted
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms Most Voted
- E. AWS Price List API

Correct Answer: AD

Reference:

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html*Community vote distribution*

AD (100%)

Question #338

Topic 1

Amazon Route 53 enables users to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

Correct Answer: B

Reference:

[Amazon Route 53 is a highly available and scalable Domain Name System \(DNS\) web service. You can use Route 53 to perform three main functions in any combination: domain registration, DNS routing, and health checking.](https://docs.aws.amazon.com/Route53/latest/DeveloperGuide>Welcome.html</p></div><div data-bbox=)

If you choose to use Route 53 for all three functions, be sure to follow the order below:

1. Register domain names

Your website needs a name, such as example.com.:Route 53 lets you register a name for your website or web application, known as a *domain name*.

- For an overview, see [How domain registration works](#).
- For a procedure, see [Registering a new domain](#).
- For a tutorial that takes you through registering a domain and creating a simple website in an Amazon S3 bucket, see [Getting started with Amazon Route 53](#).

Question #339

Topic 1

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor
- C. Amazon GuardDuty
- D. Amazon CloudWatch

Correct Answer: C

Reference:

<https://aws.amazon.com/guardduty/>

Question #340

Topic 1

A company wants to try a third-party ecommerce solution before deciding to use it long term.

Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

Correct Answer: A

Reference:

<https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-from-aws-console/>

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Question #341

Topic 1

Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for MariaDB

Correct Answer: B

Reference:

<https://aws.amazon.com/dynamodb/>

Question #342

Topic 1

Which AWS service should be used to create a billing alarm?

- A. AWS Trusted Advisor
- B. AWS CloudTrail
- C. Amazon CloudWatch
- D. Amazon QuickSight

Correct Answer: C

Reference:

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

Question #343

A company is hosting a web application in a Docker container on Amazon EC2.

AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

Correct Answer: C

Reference:

<https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

Question #344

Topic 1

Users are reporting latency when connecting to a website with a global customer base.

Which AWS service will improve the customer experience by reducing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

Correct Answer: A

Reference:

<https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>*Community vote distribution*

A (100%)

Question #345

Topic 1

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

Correct Answer: AD

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

Question #346

Topic 1

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

- A. AWS Config
- B. VPC Flow Logs**
- C. AWS Trusted Advisor
- D. AWS CloudTrail

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

Question #347

Topic 1

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability.

Which service will support these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator**
- D. Amazon CloudFront

Correct Answer: C

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference:

<https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

Question #348

Topic 1

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources**
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file**
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

Correct Answer: AC*Community vote distribution*

AC (50%)

CE (50%)

Question #349

Topic 1

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS IAM

Correct Answer: A

Reference:

<https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity/>

Question #350

Topic 1

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

Correct Answer: C

Reference:

<https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>[← Previous Questions](#)[Next Questions →](#)



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Question #351

Topic 1

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

- A. AWS Snowball
- B. AWS Lambda
- C. Amazon ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

Correct Answer: AD

Reference:

<https://aws.amazon.com/snowball/>

Question #352

Topic 1

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements.
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

Correct Answer: C

Community vote distribution

C (50%)

B (50%)

Question #353

Topic 1

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.
- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

Correct Answer: B

Reference:

https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html

Question #354

Topic 1

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

Correct Answer: B

Question #355

Topic 1

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS CloudTrail
- B. Amazon EC2 Auto Scaling**
- C. Amazon Forecast
- D. AWS Config

Correct Answer: B

Reference:

<https://aws.amazon.com/autoscaling/>

SETUP SCALING QUICKLY

AWS Auto Scaling lets you set target utilization levels for multiple resources in a single, intuitive interface. You can quickly see the average utilization of all of your scalable resources without having to navigate to other consoles. For example, if your application uses Amazon EC2 and Amazon DynamoDB, you can use AWS Auto Scaling to manage resource provisioning for all of the EC2 Auto Scaling groups and database tables in your application.

MAKE SMART SCALING DECISIONS

AWS Auto Scaling lets you build scaling plans that automate how groups of different resources respond to changes in demand. You can optimize availability, costs, or a balance of both. AWS Auto Scaling automatically creates all of the scaling policies and sets targets for you based on your preference. AWS Auto Scaling monitors your application and automatically adds or removes capacity from your resource groups in real-time as demands change.

AUTOMATICALLY MAINTAIN PERFORMANCE

Using AWS Auto Scaling, you maintain optimal application performance and availability, even when workloads are periodic, unpredictable, or continuously changing. AWS Auto Scaling continually monitors your applications to make sure that they are operating at your desired performance levels. When demand spikes, AWS Auto Scaling automatically increases the capacity of constrained resources so you maintain a high quality of service.

PAY ONLY FOR WHAT YOU NEED

AWS Auto Scaling can help you optimize your utilization and cost efficiencies when consuming AWS services so you only pay for the resources you actually need. When demand drops, AWS Auto Scaling will automatically remove any excess resource capacity so you avoid overspending. AWS Auto Scaling is free to use, and allows you to optimize the costs of your AWS environment.

Question #356

Topic 1

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

Correct Answer: C

Reference:

[\(36\)](https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf)

Question #357

Topic 1

Which tool is used to forecast AWS spending?

- A. AWS Trusted Advisor
- B. AWS Organizations
- C. Cost Explorer
- D. Amazon Inspector

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

You create a forecast by selecting a future time range for your report. For more information, see [Choosing time ranges for the data that you want to view](#). The following section discusses the accuracy of the forecasts created by Cost Explorer and how to read them.

A forecast is a prediction of how much you will use AWS services over the forecast time period that you selected. This forecast is based on your past usage. You can use a forecast to estimate your AWS bill and set alarms and budgets for based on predictions. Because forecasts are predictions, the forecasted billing amounts are estimated and might differ from your actual charges for each statement period.

Question #358

Topic 1

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

- A. Amazon ElastiCache
- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

Correct Answer: B

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon

CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

Reference:

<https://aws.amazon.com/cloudfront/faqs/>

Question #359

Topic 1

Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

Correct Answer: B

Reference:

<https://aws.amazon.com/about-aws/global-infrastructure/>

Question #360

Topic 1

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. Amazon Inspector

Correct Answer: A

Reference:

<https://aws.amazon.com/ec2/faqs/>

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Question #361

Topic 1

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

Question #362

Topic 1

Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

Correct Answer: CE

Reference:

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question #363

Topic 1

IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components. This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling**
- C. Automation
- D. Automatic scaling

Correct Answer: B

Reference:

https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

(20)

Question #364

Topic 1

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

- A. AWS WAF**
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

Correct Answer: AE

Reference:

<https://aws.amazon.com/waf/><https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

Question #365

Topic 1

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously.

Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS**
- C. Amazon S3
- D. AWS Artifact

Correct Answer: B

Reference:

<https://aws.amazon.com/efs/>

Question #366

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS. Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

Correct Answer: BC*Community vote distribution*

BC (100%)

Question #367

What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance. **Most Voted**

Correct Answer: D

Reference:

<https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>*Community vote distribution*

D (100%)

Question #368

The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing
- B. the AWS global infrastructure
- C. economies of scale
- D. reserved storage pricing

Correct Answer: C

Question #369

Topic 1

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements.

How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html>

Question #370

Topic 1

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

Correct Answer: A[← Previous Questions](#)[Next Questions →](#)



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Question #371

Topic 1

What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/aws/estimate-your-c/>

We created a JavaScript-based tool that allows you to calculate your monthly cost for using **Amazon S3**, **Amazon EC2**, and **Amazon SQS**.

This tool incorporates the latest pricing changes including the tiered pricing model for download bandwidth.

Use this tool to estimate your monthly bill, to determine your best and worst case scenarios (if you get Slashdotted, Dugg etc.), and identify areas of development to reduce your monthly costs and even compare it with other service providers who do not offer utility-style of billing (pay-as-you-go).

You can view the calculator here:

Question #372

Topic 1

Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support

Correct Answer: A

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #373

Topic 1

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

- A. Amazon EC2
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift

Correct Answer: AB

Reference:

<https://aws.amazon.com/autoscaling/faqs/>

Question #374

Topic 1

Which of the following are benefits of AWS Global Accelerator? (Choose two.)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

Correct Answer: BD

Reference:

<https://aws.amazon.com/global-accelerator/faqs/>

Question #375

Topic 1

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

Correct Answer: D

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/reactivate-suspended-account/>

Question #376

Topic 1

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands**
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

Correct Answer: B

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

Question #377

Topic 1

Which method helps to optimize costs of users moving to the AWS Cloud?

- A. Paying only for what is used**
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

Correct Answer: A

Reference:

<https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/>

Question #378

Topic 1

Under the AWS shared responsibility model, which of the following is a customer responsibility?

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances**
- D. Installing operating system security patches for Amazon RDS database instances

Correct Answer: C

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #379

Topic 1

The AWS Cost Management tools give users the ability to do which of the following? (Choose two.)

- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account.
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

Correct Answer: BC

Question #380

Topic 1

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

Correct Answer: B

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>[◀ Previous Questions](#)[Next Questions ➔](#)



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Question #381

Topic 1

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

Correct Answer: C

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html <https://aws.amazon.com/iam/>

Question #382

Topic 1

Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

Correct Answer: B

Reference:

<https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%20select%20online%20agreements.>

Question #383

Which AWS service can be used to turn text into life-like speech?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

Correct Answer: A

Reference:

<https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sounding%20human%20speech.>

Question #384

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail
- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

Correct Answer: B

Question #385

A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

- ☞ The status of Amazon S3 bucket permissions.
- ☞ Whether multi-factor authentication is enabled for the AWS account root user.
- ☞ If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report
- D. IAM credential report

Correct Answer: C

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/#Security>

Question #386

Topic 1

Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

Correct Answer: A

Reference:

<https://aws.amazon.com/ec2/dedicated-hosts/pricing/>

The price for a Dedicated Host varies by instance family, region, and payment option.

Regardless of the quantity or the size of instances that you choose to launch on a particular Dedicated Host you only pay for each active Dedicated Host.

When you allocate a Dedicated Host for use, you pick an instance family such as R5 or M5 for the host. After you have allocated a host, you will pay **On-Demand** unless you have a Dedicated Host **Reservation** or **Savings Plans**. A Dedicated Host Reservation provides you with a discount of up to 70% compared to On-Demand pricing. Savings Plans, a new flexible pricing model will help you lower your bill by making a commitment to a consistent amount of compute usage (measured in \$/hour) instead of making commitments to specific hosts. Savings Plans offer significant savings over On Demand, just like Reservations, but automatically reduce your bills on compute usage across any AWS region, even as usage changes.

Question #387

Topic 1

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Data centers

Correct Answer: C

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time. Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

Reference:

<https://aws.amazon.com/caching/>

Question #388

Topic 1

Using AWS Config to record, audit, and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

- A. Security
- B. Operational excellence
- C. Performance efficiency
- D. Cost optimization

Correct Answer: A

Reference:

https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

(12)

Question #389

Topic 1

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SQLtoNoSQL.html>

Question #390

Topic 1

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

Correct Answer: B

Reference:

<https://www.botmetric.com/blog/having-a-disaster-recovery-plan-is-pivotal-the-dos-and-donts-on-aws-cloud/>[← Previous Questions](#)[Next Questions →](#)



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Question #391

Topic 1

Which features and benefits does the AWS Organizations service provide? (Choose two.)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

Correct Answer: DE

Reference:

<https://aws.amazon.com/organizations/>

Question #392

Topic 1

Which AWS service is used to automate configuration management using Chef and Puppet?

- A. AWS Config
- B. AWS OpsWorks**
- C. AWS CloudFormation
- D. AWS Systems Manager

Correct Answer: B

Reference:

<https://aws.amazon.com/opsworks/>

AWS OpsWorks for Chef Automate

AWS OpsWorks for Chef Automate is a fully managed configuration management service that hosts Chef Automate, a suite of automation tools from Chef for configuration management, compliance and security, and continuous deployment. OpsWorks also maintains your Chef server by automatically patching, updating, and backing up your server. OpsWorks eliminates the need to operate your own configuration management systems or worry about maintaining its infrastructure. OpsWorks gives you access to all of the Chef Automate features, such as configuration and compliance management, which you manage through the Chef console or command line tools like Knife. It also works seamlessly with your existing Chef cookbooks.

Choose AWS OpsWorks for Chef Automate if you are an existing Chef user. [Learn more »](#)

AWS OpsWorks for Puppet Enterprise

AWS OpsWorks for Puppet Enterprise is a fully managed configuration management service that hosts Puppet Enterprise, a set of automation tools from Puppet for infrastructure and application management. OpsWorks also maintains your Puppet master server by automatically patching, updating, and backing up your server. OpsWorks eliminates the need to operate your own configuration management systems or worry about maintaining its infrastructure. OpsWorks gives you access to all of the Puppet Enterprise features, which you manage through the Puppet console. It also works seamlessly with your existing Puppet code.

Choose AWS OpsWorks for Puppet Enterprise if you are an existing Puppet user. [Learn more »](#)

Question #393

Topic 1

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

- A. Detailed billing report
- B. Consolidated billing**
- C. AWS Cost and Usage report
- D. Cost allocation report

Correct Answer: B

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>**Consolidated billing has the following benefits:**

- **One bill** – You get one bill for multiple accounts.
- **Easy tracking** – You can track the charges across multiple accounts and download the combined cost and usage data.
- **Combined usage** – You can combine the usage across all accounts in the organization to share the volume pricing discounts, Reserved Instance discounts, and Savings Plans. This can result in a lower charge for your project, department, or company than with individual standalone accounts. For more information, see [Volume discounts](#).
- **No extra fee** – Consolidated billing is offered at no additional cost.

Question #394

Topic 1

The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags
- B. estimate savings when comparing the AWS Cloud to an on-premises environment**
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

Correct Answer: B

Reference:

<https://aws.amazon.com/tco-calculator/>

Question #395

Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Choose two.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

Correct Answer: BD

Reference:

<https://aws.amazon.com/directconnect/faqs/>

Question #396

Topic 1

Under the AWS shared responsibility model, which of the following are customer responsibilities? (Choose two.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

Correct Answer: AC

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question #397

Topic 1

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

Correct Answer: C

Reference:

<https://aws.amazon.com/premiumsupport/plans/>

Question #398

A company has deployed several relational databases on Amazon EC2 instances. Every month, the database software vendor releases new security patches that need to be applied to the databases.

What is the MOST efficient way to apply the security patches?

- A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.
- B. Enable automatic patching for the instances using the Amazon RDS console.
- C. In AWS Config, configure a rule for the instances and the required patch level.
- D. Use AWS Systems Manager to automate database patching according to a schedule.

Correct Answer: D

Reference:

<https://aws.amazon.com/rds/faqs/>

Question #399

A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance.

Based on this situation, the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

Correct Answer: D

Reference:

<https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/>

Question #400

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in

Australia, and Brazilian users are experiencing high latency.

What should the company do to reduce latency?

- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (São Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

Correct Answer: B

Reference:

<https://aws.amazon.com/transit-gateway/>

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Question #401

Topic 1

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process.

What is the most appropriate purchasing option?

- A. Dedicated Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Reserved Instances

Correct Answer: C

Reference:

<https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

Question #402

Topic 1

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

Correct Answer: B

Reference:

<https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

Question #403

Topic 1

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup
- B. Amazon Connect
- C. AWS Direct Connect
- D. AWS Storage Gateway

Correct Answer: D

Reference:

<https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

Question #404

Topic 1

Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

Question #405

Topic 1

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

Correct Answer: D

Reference:

[\(11\)](https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf)

Question #406

Topic 1

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

- A. Basic
- B. Business
- C. Developer
- D. Enterprise

Correct Answer: D

Reference:

<https://aws.amazon.com/premiumsupport/plans/enterprise/>

Question #407

Topic 1

Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

Correct Answer: B

Reference:

https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html

Question #408

Topic 1

What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

Correct Answer: A

Reference:

<https://aws.amazon.com/compliance/faq/#:~:text=AWS%20Artifact%20%E2%80%93%20AWS%20Artifact%20is,reports%20and%20select%20online%20agreements>

1. WHAT IS THE BEST WAY TO COMPLETE MY ANNUAL VENDOR/SUPPLIER/DUE-DILIGENCE QUESTIONNAIRE OF AWS?

In the event that you need assistance to complete a questionnaire to document AWS security and compliance positions, AWS has a recommended approach designed to provide you with the resources you need to answer your security and compliance questions in the context of the cloud and AWS's business model. The most frequently used resources to complete security and compliance questionnaires are:

- **AWS Artifact** – AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) attestation of compliance, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Question #409

Topic 1

Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access
- D. Amazon S3 Glacier

Correct Answer: C

Reference:

<https://aws.amazon.com/s3/storage-classes/>

Question #410

Topic 1

What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

Correct Answer: A

Reference:

https://aws.amazon.com/about-aws/global-infrastructure/regions_az/

Availability Zones

An Availability Zone (AZ) is one or more discrete data centers with redundant power, networking, and connectivity in an AWS Region. AZs give customers the ability to operate production applications and databases that are more highly available, fault tolerant, and scalable than would be possible from a single data center. All AZs in an AWS Region are interconnected with high-bandwidth, low-latency networking, over fully redundant, dedicated metro fiber providing high-throughput, low-latency networking between AZs. All traffic between AZs is encrypted. The network performance is sufficient to accomplish synchronous replication between AZs. AZs make partitioning applications for high availability easy. If an application is partitioned across AZs, companies are better isolated and protected from issues such as power outages, lightning strikes, tornadoes, earthquakes, and more. AZs are physically separated by a meaningful distance, many kilometers, from any other AZ, although all are within 100 km (60 miles) of each other.

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Question #411

Topic 1

Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

Correct Answer: AD

Reference:

<https://blog.newrelic.com/engineering/best-cloud-infrastructure-automation-tools/>

Question #412

Topic 1

Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-aws-accounts-and-regions/>

Community vote distribution

B (100%)

Question #413

Topic 1

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail.

Which AWS service will provide this capability?

- A. AWS Secrets Manager
- B. AWS Systems Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Certificate Manager

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/data-protection.html>

Question #414

Topic 1

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

Correct Answer: C

Community vote distribution

C (100%)

Question #415

Topic 1

What credential components are required to gain programmatic access to an AWS account? (Choose two.)

- A. An access key ID
- B. A primary key
- C. A secret access key
- D. A user ID
- E. A secondary key

Correct Answer: AC

Reference:

<https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html>

Question #416

Topic 1

Which of the following are AWS compute services? (Choose two.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

Correct Answer: AD

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

Question #417

Topic 1

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department
- D. Use AWS Organizations

Correct Answer: C*Community vote distribution*

A (100%)

Question #418

Topic 1

What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts**
- C. Improved account security
- D. Centralized AWS IAM

Correct Answer: B

Reference:

<https://jayendrapatil.com/aws-consolidated-billing/>

Consolidated Billing Benefits

- **One Bill**
 - A single bill with a combined view of AWS costs incurred by all accounts is generated
- **Easy Tracking**
 - Detailed cost report & charges for each of the individual AWS accounts associated with the “paying account” can be easily tracked
- **Combined Usage & Volume Discounts**
 - Charges might actually decrease because AWS combines usage from all the accounts to qualify you for **volume pricing discounts**
- **Free Tier**
 - Customers that use Consolidated Billing to consolidate payment across multiple accounts **will only have access to one free usage tier** and it is not combined across accounts

Question #419

Topic 1

Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

- A. AWS Organizations
- B. AWS Budgets**
- C. Cost Explorer
- D. AWS Trusted Advisor

Correct Answer: B

Reference:

<https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

Question #420

Topic 1

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. Amazon Macie**
- D. AWS Shield

Correct Answer: C

Reference:

<https://aws.amazon.com/macie/>[◀ Previous Questions](#)[Next Questions ➔](#)



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Question #421

Topic 1

Which tool can be used to monitor AWS service limits?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. AWS Trusted Advisor
- C. AWS Personal Health Dashboard
- D. AWS Cost and Usage report

Correct Answer: *B*

Reference:

<https://aws.amazon.com/blogs/mt/monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch/>

Question #422

Topic 1

A company has distributed its workload on both the AWS Cloud and some on-premises servers.

What type of architecture is this?

- A. Virtual private network
- B. Virtual private cloud
- C. Hybrid cloud
- D. Private cloud

Correct Answer: *C*

Reference:

<https://aws.amazon.com/hybrid/>

Question #423

Which of the following describes a security best practice that can be implemented using AWS IAM?

- A. Disable AWS Management Console access for all users
- B. Generate secret keys for every IAM user
- C. Grant permissions to users who are required to perform a given task only
- D. Store AWS credentials within Amazon EC2 instances

Correct Answer: C

Reference:

<https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/>

Question #424

Topic 1

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub
- D. AWS Well-Architected Tool

Correct Answer: B

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, well-architected, and ready to use. Control

Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

Reference:

<https://aws.amazon.com/blogs/aws/aws-control-tower-set-up-govern-a-multi-account-aws-environment/>

Question #425

Topic 1

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scaling-digital-course/>

Question #426

Topic 1

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

- A. AWS Shield Advanced
- B. AWS Firewall Manager
- C. AWS WAF
- D. Amazon GuardDuty

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html>

Question #427

Topic 1

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

Correct Answer: B

Reference:

<https://aws.amazon.com/ec2/pricing/>

Spot instances

Amazon EC2 Spot instances allow you to request spare Amazon EC2 computing capacity for up to 90% off the On-Demand price. [Learn More.](#)

Spot instances are recommended for:

- Applications that have flexible start and end times
- Applications that are only feasible at very low compute prices
- Users with urgent computing needs for large amounts of additional capacity

[See Spot pricing »](#)

Question #428

Topic 1

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

Correct Answer: DE

Question #429

Topic 1

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm.

To optimize for cost, which Amazon EC2 purchasing option should be used?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Hosts

Correct Answer: C

Reference:

<https://aws.amazon.com/ec2/pricing/>

Question #430

Topic 1

Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

Correct Answer: C[← Previous Questions](#)[Next Questions →](#)



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Question #431

Topic 1

Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

Correct Answer: C

Question #432

Topic 1

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it. Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

Correct Answer: A

Question #433

Topic 1

What is the purpose of having an internet gateway within a VPC?

- A. To create a VPN connection to the VPC
- B. To allow communication between the VPC and the Internet
- C. To impose bandwidth constraints on internet traffic
- D. To load balance traffic from the Internet across Amazon EC2 instances

Correct Answer: B

Community vote distribution

B (100%)

Question #434

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.
How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

Correct Answer: B

Question #435

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

Correct Answer: B

Question #436

AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

Correct Answer: AD*Community vote distribution*

AD (100%)

Question #437

Topic 1

Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

Correct Answer: AC

Question #438

Topic 1

Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components Most Voted

Correct Answer: B*Community vote distribution*

D (100%)

Question #439

Topic 1

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production. How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

Correct Answer: B

Question #440

Topic 1

Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

Correct Answer: C

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Question #441

Topic 1

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

Correct Answer: AD

Question #442

Topic 1

A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements.

Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

Correct Answer: C

Question #443

Topic 1

Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53 Most Voted

Correct Answer: A

Community vote distribution

D (100%)

Question #444

Topic 1

Which AWS service can be used to track unauthorized API calls?

- A. AWS Config
- B. AWS CloudTrail
- C. AWS Trusted Advisor
- D. Amazon Inspector

Correct Answer: B

Question #445

Topic 1

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

Correct Answer: B*Community vote distribution*

B (100%)

Question #446

Topic 1

A user is planning to launch two additional Amazon EC2 instances to increase availability.

Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region.
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
- C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
- D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

Correct Answer: A*Community vote distribution*

A (100%)

Question #447

Topic 1

A company must store critical business data in Amazon S3 with a backup to another AWS Region.

How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up to the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

Correct Answer: B

Question #448

Topic 1

Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Cost Allocation Tags
- D. AWS Organizations

Correct Answer: A

Question #449

Topic 1

What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

Correct Answer: B

Question #450

Topic 1

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3.

Which AWS service can meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

Correct Answer: *B*

Community vote distribution

B (100%)

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Question #451

Topic 1

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway Most Voted
- E. Virtual private gateway Most Voted

Correct Answer: CD

Community vote distribution

DE (56%) CD (33%) 11%

Question #452

Topic 1

Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

Correct Answer: C

Question #453

Topic 1

Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

Correct Answer: D

Question #454

Topic 1

What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

Correct Answer: C*Community vote distribution*

C (100%)

Question #455

Topic 1

Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

Correct Answer: C

Question #456

Topic 1

Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

Correct Answer: A*Community vote distribution*

A (100%)

Question #457

Topic 1

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

Correct Answer: C

Question #458

Topic 1

Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB
- E. Amazon Redshift

Correct Answer: AD

Question #459

Topic 1

Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

Correct Answer: AC

Question #460

Topic 1

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.

D. The payer account must be used to remove the linked account from the organization.

Correct Answer: D

Community vote distribution

C (100%)

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Question #461

Topic 1

What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

Correct Answer: D

Question #462

Topic 1

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report.

Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

Correct Answer: C

Question #463

Topic 1

A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.

Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site. Most Voted
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

Correct Answer: A

Reference:

<https://aws.amazon.com/blogs/startups/large-scale-disaster-recovery-using-aws-regions/>*Community vote distribution*

B (86%)

14%

Question #464

Topic 1

A company has a 500 TB image repository that needs to be transported to AWS for processing.

Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball Most Voted
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

Correct Answer: D

Reference:

<https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>*Community vote distribution*

A (86%)

14%

Question #465

Topic 1

Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

- A. Amazon DynamoDB
- B. Amazon Athena
- C. Amazon RDS
- D. Amazon EMR

Correct Answer: C

Reference:

<https://aws.amazon.com/rds/postgresql/>

Question #466

Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

Correct Answer: BE

Community vote distribution

AB (100%)

Question #467

A company wants to allow full access to an Amazon S3 bucket for a particular user.

Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal **Most Voted**
- B. Action
- C. Resource
- D. Statement

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/walkthrough1.html>

Community vote distribution

A (100%)

Question #468

Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

Correct Answer: A

Reference:

<https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

Community vote distribution

A (100%)

Question #469

Topic 1

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month.

What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

Correct Answer: C

Reference:

<https://aws.amazon.com/ec2/pricing/>

On-Demand

With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run. No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.

On-Demand instances are recommended for:

- Users that prefer the low cost and flexibility of Amazon EC2 without any up-front payment or long-term commitment
- Applications with short-term, spiky, or unpredictable workloads that cannot be interrupted
- Applications being developed or tested on Amazon EC2 for the first time

[See On-Demand pricing »](#)

Question #470

Topic 1

Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

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Question #471

Topic 1

Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

Correct Answer: D

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

Question #472

Topic 1

A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.
- D. AWS Organizations.

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Question #473

Topic 1

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Operational excellence**
- C. Reliability
- D. Security

Correct Answer: B

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

1. Operational Excellence

The Operational Excellence pillar includes the ability to support development and run workloads effectively, gain insight into their operation, and continuously improve, supporting processes and procedures to deliver business value. You can find prescriptive guidance on implementation in the [Operational Excellence Pillar whitepaper](#).

Design Principles

There are five design principles for operational excellence in the cloud:

- Perform operations as code
- Make frequent, small, reversible changes
- Refine operations procedures frequently
- Anticipate failure
- Learn from all operational failures

Question #474

Topic 1

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures**
- D. Changing infrastructure manually

Correct Answer: C

Reference:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question #475

Topic 1

What is a characteristic of Convertible Reserved Instances (RIs)?

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

Correct Answer: A

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html>

Question #476

Topic 1

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

Correct Answer: B

Question #477

Topic 1

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.

What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

Question #478

Topic 1

Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

Correct Answer: AD

Reference:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide>Welcome.html>

Question #479

Topic 1

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

Correct Answer: C

Reference:

<https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

Question #480

Topic 1

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.

Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

Correct Answer: B

Reference:

<https://aws.amazon.com/redshift/faqs/>[← Previous Questions](#)[Next Questions →](#)



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Question #481

Topic 1

Which AWS service can be used to track resource changes and establish compliance?

- A. Amazon CloudWatch
- B. AWS Config**
- C. AWS CloudTrail
- D. AWS Trusted Advisor

Correct Answer: *B*

Reference:

<https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

Question #482

Topic 1

A user has underutilized on-premises resources.

Which AWS Cloud concept can BEST address this issue?

- A. High availability
- B. Elasticity**
- C. Security
- D. Loose coupling

Correct Answer: *B*

Reference:

<https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

Community vote distribution

B (100%)

Question #483

Topic 1

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.

What is the MOST cost-effective pricing model for this workload?

A. On-Demand Instances

B. Reserved Instances Most Voted

C. Dedicated Instances

D. Spot Instances

Correct Answer: A

On-demand instances are useful for running stateful workloads without making a long-term commitment, but if your workloads are stateless or can tolerate shorter run cycles, there's a more cost-effective instance type called a Spot Instance.

Reference:

<https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

Community vote distribution

B (100%)

Question #484

Topic 1

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.

What is the most suitable and cost-effective option for this task?

A. On-Demand Instance Most Voted

B. Reserved Instance

C. Dedicated Host

D. Spot Instance

Correct Answer: D

Reference:

<https://aws.amazon.com/ec2/spot/details/>

Community vote distribution

A (100%)

Question #485

Topic 1

Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

- A. Providing high-performance container orchestration
- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs Most Voted
- D. Improving security by proactively monitoring the AWS environment Most Voted
- E. Implementing enforced tagging across AWS resources

Correct Answer: DE

Reference:

<https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilities-for-trusted-advisor/>*Community vote distribution*

100 (100%)

Question #486

Topic 1

A developer has been hired by a large company and needs AWS credentials.

Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

Correct Answer: AE

Question #487

Topic 1

Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

Question #488

Topic 1

Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS Most Voted
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

Correct Answer: B

Reference:

<https://aws.amazon.com/redshift/>*Community vote distribution*

A (100%)

Question #489

Topic 1

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

Correct Answer: B*Community vote distribution*

B (100%)

Question #490

Topic 1

Which services can be used to deploy applications on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS Config
- C. AWS OpsWorks
- D. AWS Application Discovery Service
- E. Amazon Kinesis

Correct Answer: AC

Reference:

<https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>[◀ Previous Questions](#)[Next Questions ➔](#)



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Question #491

Topic 1

Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

Correct Answer: B

Reference:

<https://aws.amazon.com/connect/customers/>

Question #492

Topic 1

What tool enables customers without an AWS account to estimate costs for almost all AWS services?

- A. Cost Explorer
- B. TCO Calculator
- C. AWS Budgets
- D. Simple Monthly Calculator

Correct Answer: A

Reference:

<https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

AWS Cost Explorer Features

Get started quickly

A set of default reports are included to help you quickly gain insight into your cost drivers and usage trends.

Set time interval and granularity

Set a custom time period, and determine whether you would like to view your data at a monthly or daily level of granularity.

Filter/Group your data

Dig deeper into your data by taking advantage of filtering and grouping functionality, using a variety of available dimensions.

Forecast future costs and usage

Use forecasting to get a better idea of what your costs and usage may look like in the future, so that you can plan ahead.

Save your progress

Once you arrive at a helpful view, save your progress as a new report that you can refer back to in the future.

Build custom applications

Directly access the interactive, ad-hoc analytics engine that powers AWS Cost Explorer.

Question #493

Topic 1

Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
- B. VPC endpoint
- C. VPN connection
- D. Internet gateway

Correct Answer: C

Reference:

[\(41, 42, 43\)](https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf)

Question #494

Topic 1

Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

- A. Spot Instance
- B. On-Demand Instance
- C. Partial Upfront Reserved Instance
- D. No Upfront Reserved Instance

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

Payment options

The following payment options are available for Reserved Instances:

- **All Upfront:** Full payment is made at the start of the term, with no other costs or additional hourly charges incurred for the remainder of the term, regardless of hours used.
- **Partial Upfront:** A portion of the cost must be paid upfront and the remaining hours in the term are billed at a discounted hourly rate, regardless of whether the Reserved Instance is being used.
- **No Upfront:** You are billed a discounted hourly rate for every hour within the term, regardless of whether the Reserved Instance is being used. No upfront payment is required.

Question #495

Topic 1

A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage.

Which set of tasks would meet this requirement?

- A. Add an Application Load Balancer in front of the EC2 instance
- B. Configure EC2 Auto Recovery to move the instance to another Availability Zone
- C. Migrate to Amazon RDS and enable Multi-AZ
- D. Enable termination protection for the EC2 instance to avoid outages

Correct Answer: C

Reference:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

Question #496

Topic 1

A company wants to ensure that AWS Management Console users are meeting password complexity requirements.

How can the company configure password complexity?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy Most Voted
- D. Using an AWS Security Hub managed insight

Correct Answer: A

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html

Question #497

Topic 1

Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

Correct Answer: A

Question #498

Topic 1

Which of the following tasks is required to deploy a PCI-compliant workload on AWS?

- A. Use any AWS service and implement PCI controls at the application layer
- B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer
- C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service
- D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer Most Voted

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>

Question #499

Topic 1

A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order.

Which AWS service should the company use?

- A. AWS Step Functions
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Kinesis Data Streams
- D. Amazon Simple Queue Service (Amazon SQS)

Correct Answer: D

Reference:

<https://aws.amazon.com/sqs/faqs/>

Question #500

Topic 1

AnyCompany recently purchased Example Corp. Both companies use AWS resources, and AnyCompany wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

- A. Example Corp. must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing.
- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

Correct Answer: D

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbilling-aboutv2.pdf>[← Previous Questions](#)[Next Questions →](#)

Q1) Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Select TWO.)

- A. **Ensuring** that users have received security training in the use of AWS services
- B. Ensuring that hardware is disposed of properly
- C. Ensuring that AWS NTP servers are set to the correct time
- D. Ensuring that application data is encrypted at rest**
- E. Ensuring that access to data centers is restricted

Q2) Which AWS technology can be referred to as a “virtual hard disk in the cloud”?

- A. **Amazon** EBS volume
- B. Amazon S3 Bucket
- C. Amazon ENI
- D. Amazon EFS Filesystem

Q3) Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. **Security** groups
- B. Route table
- C. Virtual private gateways (VPG)
- D. Network Access Control Lists (ACL)

Q4) Which of the statements below does NOT characterize cloud computing?

- A. With cloud computing you get to benefit from massive economies of scale
- B. Cloud computing is the on-demand delivery of compute power
- C. Cloud computing allows you to swap variable expense for capital expense**
- D. With cloud computing you can increase your speed and agility

Q5) Which of the following are pillars from the five pillars of the AWS Well-Architected Framework? (Select TWO.)

- A. **Performance** efficiency
- B. Confidentiality
- C. **Operational** excellence
- D. Economics
- E. Resilience

Q6) According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Select TWO.)

- A. Use Amazon GuardDuty to record API activity to an S3 bucket
- B. Use AWS Certificate Manager to create a catalog of approved services
- C. Use AWS Config to generate an inventory of AWS resources**
- D. **Use AWS CloudTrail to record AWS API calls into an **auditable** log file**
- E. Use service limits to prevent users from creating or making changes to AWS resources

Q7) Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. AWS Shield
- C. Amazon Inspector

D. **Amazon Macie**

Q8) Which type of AWS database is ideally suited to analytics using SQL queries?

- A. Amazon S3
- B. Amazon RDS
- C. **Amazon RedShift**
- D. Amazon DynamoDB

Q9) Which type of AWS database is ideally suited to analytics using SQL queries?

- A. Protection of infrastructure
- B. Operating system patching
- C. Client-side data encryption
- D. **Awareness** and training

Q10) What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Client VPN
- B. Use AWS Direct Connect
- C. Use AWS VPN
- D. **Use** an AWS Transit Gateway

Q11) Your company has recently migrated to AWS. How can your CTO monitor the organization's costs?

- A. **AWS Cost Explorer**
- B. AWS CloudTrail
- C. AWS Simple Monthly calculator
- D. AWS Consolidated Billing

Q12) Which of the following are NOT features of AWS IAM? (Select TWO.)

- A. Shared access to your AWS account
- B. Identity federation
- C. **Logon** using local user accounts
- D. **Charged for what you use**
- E. PCI DSS compliance

Q13) What are the advantages of running a database service such as Amazon RDS in the cloud versus deploying on-premise? (Select TWO.)

- A. **Scalability** is improved as it is quicker to implement and there is an abundance of capacity
- B. You can use any database software you like, allowing greater flexibility
- C. You have full control of the operating system and can install your own operational tools
- D. **High availability is easier to implement due to built-in functionality for deploying read replicas and multi-AZ**
- E. There are no costs for replicating data between DBs in different data centers or regions

Q14) How can a systems administrator specify a script to be run on an EC2 instance during launch?

- A. Run Command
- B. AWS Config
- C. **User** Data
- D. Metadata

Q15) How can you deploy your EC2 instances so that if a single data center fails you still have instances available?

- A. **Across** Availability Zones
- B. Across subnets
- C. Across VPCs
- D. Across regions

Q16) How can a database administrator reduce operational overhead for a MySQL database?

- A. **Migrate** the database onto an Amazon RDS instance
- B. Migrate the database onto an EC2 instance
- C. Migrate the database onto AWS Lambda
- D. Use AWS CloudFormation to manage operations

Q17) The AWS Cost Management tools give users the ability to do which of the following? (Select TWO.)

- A. Move data stored in Amazon S3 to a more cost-effective storage class
- B. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective
- C. **Break** down AWS costs by day, service, and linked AWS account
- D. **Create** budgets and receive notifications if current or forecasted usage exceeds the budgets
- E. Terminate all AWS resources automatically if budget thresholds are exceeded

Q18) In which ways does AWS' pricing model benefit organizations?

- A. Focus spend on capital expenditure, rather than operational expenditure
- B. **Reduce** the cost of maintaining idle resources
- C. Reduces the people cost of application development
- D. Eliminates licensing costs

Q19) Which AWS service is designed to be used for operational analytics?

- A. Amazon QuickSight
- B. **Amazon** Elasticsearch Service
- C. Amazon Athena
- D. Amazon EMR

Q20) Which AWS technology enables you to group resources that share one or more tags?

- A. Tag groups
- B. Organization groups
- C. Consolidation groups
- D. **Resource** groups

Q21) Which feature of Amazon S3 enables you to create rules to control the transfer of objects between different storage classes?

- A. **Lifecycle** management
- B. Object sharing
- C. Bucket policies
- D. Versioning

Q22) Your manager has asked you to explain some of the security features available in the AWS cloud. How can you describe the function of Amazon CloudHSM?

- A. **It can be used to generate, use and manage encryption keys in the cloud**
- B. It provides server-side encryption for S3 objects
- C. It is a firewall for use with web applications
- D. It is a Public Key Infrastructure (PKI)

Q23) Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. Standard Reserved Instances
- B. Spot Instances**
- C. Convertible Reserved Instances
- D. On-Demand Instances

Q24) Which type of scaling does Amazon EC2 Auto Scaling provide?

- A. **Horizontal**
- B. Linear
- C. Incremental
- D. Vertical

Q25) Where are Amazon EBS snapshots stored?

- A. Within the EBS block store
- B. On an Amazon EFS filesystem
- C. On Amazon S3**
- D. On an Amazon EBS instance store

Q26) Which AWS Cloud design principles can help increase reliability? (Select TWO.)

- A. Measuring overall efficiency
- B. Testing** recovery procedures
- C. Automatically recovering from failure**
- D. Using monolithic architecture
- E. Adopting a consumption model

Q27) Which AWS Glacier data access option retrieves data from an archive in 1-5 minutes?

- A. Expedited**
- B. Accelerated
- C. Express

D. Standard

Q28) What type of cloud computing service type do AWS Elastic Beanstalk and Amazon RDS correspond to?

- A. **PaaS**
- B. SaaS
- C. IaaS
- D. Hybrid

Q29) What is the name for the top-level container used to hold objects within Amazon S3?

- A. **Bucket**
- B. Instance Store
- C. Folder
- D. Directory

Q30) Your manager has asked you to explain the benefits of using IAM groups. Which of the below statements are valid benefits? (Select TWO.)

- A. Provide the ability to create custom permission policies
- B. Enables you to attach IAM permission policies to more than one user at a time**
- C. Provide the ability to nest groups to create an organizational hierarchy
- D. You can restrict access to the subnets in your VPC
- E. **Groups** let you specify permissions for multiple users, which can make it easier to manage the permissions for those users

Q31) What do you need to log into the AWS console?

- A. **User** name and password
- B. Key pair
- C. Access key and secret ID
- D. Certificate

Q32) Which AWS database service is schema-less and can be scaled dynamically without incurring downtime?

- A. **Amazon** DynamoDB
- B. Amazon RedShift
- C. Amazon RDS
- D. Amazon Aurora

Q33) Which AWS support plans provide 24x7 access to customer service?

- A. Basic
- B. Business
- C. All plans**
- D. Developer

Q34) What methods are available for scaling an Amazon RDS database? (Select TWO.)

- A. You can scale up by moving to a larger instance size**
- B. You can scale out by implementing Elastic Load Balancing

- C. You can scale out automatically with EC2 Auto Scaling
- D. You can scale up automatically using AWS Auto Scaling
- E. You can scale up by increasing storage capacity**

Q35) Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Lambda**
- C. Amazon Lumberyard
- D. AWS Elastic Beanstalk

Q36) A web application running on AWS has been received malicious requests from the same set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. Amazon GuardDuty
- B. AWS WAF**
- C. Amazon SNS
- D. AWS IAM

Q37) Which of the authentication options below can be used to authenticate using AWS APIs? (Select TWO.)

- A. Server certificates**
- B. Server passwords
- C. Access keys**
- D. Key pairs
- E. Security groups

Q38) A company is using the AWS CLI and programmatic access of AWS resources from its on-premises network.

What is a mandatory requirement in this scenario?

- A. Using an AWS access key and a secret key**
- B. Using an AWS Direct Connect connection
- C. Using an Amazon EC2 key pair
- D. Using Amazon API Gateway

Q39) What is an example of scaling vertically?

- A. Increasing the instance size with Amazon RDS**
- B. Adding read replicas to an Amazon RDS database
- C. AWS Lambda adding concurrently executing functions
- D. AWS Auto Scaling adding more EC2 instances

Q40) Based on the shared responsibility model, which of the following security and compliance tasks is AWS responsible for?

- A. Granting access to individuals and services
- B. Updating operating systems
- C. Encrypting data in transit

D. Updating Amazon EC2 host firmware

Q41) Under the AWS Shared Responsibility Model, who is responsible for what? (Select TWO.)

- A. Customers are responsible for compute infrastructure
- B. Customers are responsible for edge locations
- C. AWS are responsible for networking infrastructure**
- D. Customers are responsible for networking traffic protection**
- E. AWS are responsible for network and firewall configuration

Q42) Which AWS service or feature helps restrict the AWS service, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Firewall Manager
- C. AWS Organizations**
- D. AWS Shield

Q43) Which AWS service can be used to run Docker containers?

- A. AWS Lambda
- B. AWS Fargate**
- C. Amazon ECR
- D. Amazon AMI

Q44) Where do Amazon Identity and Access Management (IAM) accounts need to be created for a global organization?

- A. In each region where the users are located
- B. Just create them once, as IAM is a global service**
- C. Create them globally, and then replicate them regionally
- D. In each geographical area where the users are located

Q45) Which of the following statements about AWS's pay-as-you-go pricing model is correct?

- A. It results in reduced capital expenditures**
- B. It requires payment up front for AWS services
- C. It reduces operational expenditures
- D. It is relevant only for Amazon EC2, Amazon S3, and Amazon DynamoDB

Q46) What is the easiest way to store a backup of an EBS volume on Amazon S3?

- A. Write a custom script to copy the data into a bucket
- B. Use S3 lifecycle actions to backup the volume
- C. Use Amazon Kinesis to process the data and store the results in S3
- D. Create a snapshot of the volume**

Q47) Which type of Elastic Load Balancer operates at the TCP connection level?

- A. Network Load Balancer (NLB)**
- B. Amazon Route 53 Load Balancer

- C. Application Load Balancer (ALB)
- D. Classic Load Balancer (CLB)

Q48) Which of the following is NOT a best practice for protecting the root user of an AWS account?

- A. Remove administrative permissions**
- B. Lock away the AWS root user access keys
- C. Don't share the root user credentials
- D. Enable MFA

Q49) You need to connect your company's on-premise network into AWS and would like to establish an AWS managed VPN service. Which of the following configuration items needs to be setup on the Amazon VPC side of the connection?

- A. A Network Address Translation device
- B. A Virtual Private Gateway**
- C. A Customer Gateway
- D. A Firewall

Q50) To reduce cost, which of the following services support reservations? (Select TWO.)

- A. Amazon RedShift**
- B. Amazon S3
- C. Amazon ElastiCache**
- D. AWS Elastic Beanstalk
- E. Amazon CloudFormation

Q51) Which AWS service makes it easy to coordinate the components of distributed applications as a series of steps in a visual workflow?

- A. Amazon SNS
- B. Amazon SWF
- C. AWS Step Functions**
- D. Amazon SES

Q52) Which of the following are examples of horizontal scaling? (Select TWO.)

- A. Add more instances as demand increases**
- B. Requires a restart to scale up or down
- C. Scalability is limited by maximum instance size
- D. Add more CPU/RAM to existing instances as demand increases
- E. Automatic scaling using services such as AWS Auto Scaling

Q53) A Cloud Practitioner is creating the business process workflows associated with an order fulfilment system. Which AWS service can assist with coordinating tasks across distributed application components?

- A. Amazon SWF**
- B. Amazon SQS
- C. AWS STS
- D. Amazon SNS

Q54) Which resource should you use to access AWS security and compliance reports?

- A. AWS Business Associate Addendum (BAA)
- B. AWS Organizations
- C. AWS IAM
- D. AWS Artifact**

Q55) Your organization has offices around the world and some employees travel between offices. How should their accounts be setup?

- A. Enable MFA for the accounts
- B. Set the user account as a “global” account when created
- C. Create a separate account in IAM within each region in which they will travel
- D. IAM is a global service, just create the users in one place**

Q56) Which HTTP code indicates a successful upload of an object to Amazon S3

- A. 300
- B. 500
- C. 400
- D. 200**

Q57) Which AWS security tool uses an agent installed in EC2 instances and assesses applications for vulnerabilities and deviations from best practices?

- A. AWS TCO Calculator
- B. AWS Personal Health Dashboard
- C. AWS Inspector**
- D. AWS Trusted Advisor

Q58) Under the AWS shared responsibility model, which of the following are customer responsibilities? (Select TWO.)

- A. Setting up server-side encryption on an Amazon S3 bucket**
- B. Amazon RDS instance patching
- C. Compute capacity availability
- D. Network and firewall configurations**
- E. Physical security of data center facilities

Q59) Which AWS service can serve a static website?

- A. Amazon S3**
- B. Amazon Route 53
- C. Amazon QuickSight
- D. AWS X-Ray

Q60) What advantages does the AWS cloud provide in relation to cost? (Select TWO.)

- A. Itemized power costs
- B. Fine-grained billing**
- C. Enterprise licensing discounts
- D. One-off payments for on-demand resources
- E. Ability to turn off resources and not pay for them**

Q61) How can a company facilitate the sharing of data over private connections between two accounts they own within a region?

- A. Create a subnet peering connection
- B. Configure matching CIDR address ranges
- C. Create a VPC peering connection**
- D. Create an internal ELB

Q62) You are evaluating AWS services that can assist with creating scalable application environments. Which of the statements below best describes the Elastic Load Balancer service?

- A. A highly available and scalable Domain Name System (DNS) service
- B. Automatically distributes incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, and IP addresses**
- C. Helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application
- D. A network service that provides an alternative to using the Internet to connect customers' on-premise sites to AWS

Q63) A startup eCommerce company needs to quickly deliver new website features in an iterative manner, minimizing the time to market.

Which AWS Cloud feature allows this?

- A. Agility**
- B. Reliability
- C. High availability
- D. Elasticity

Q64) Which service allows you to monitor and troubleshoot systems using system and application log files generated by those systems?

- A. CloudWatch Logs**
- B. CloudTrail Logs
- C. CloudWatch Metrics
- D. CloudTrail Metrics

Q65) How can a company configure automatic, asynchronous copying of objects in Amazon S3 buckets across regions?

- A. This is done by default by AWS
- B. Using cross-region replication**
- C. Using lifecycle actions
- D. By configuring multi-master replication

1. Which technology can automatically adjust compute capacity as demand for an application increases or decreases?
 - A. Load Balancing
 - B. High Availability
 - C. Fault Tolerance
 - D. Auto Scaling

2. A company plans to move the application development to AWS. Which benefits can they achieve when developing and running applications in the AWS Cloud compared to on-premises? (Select TWO.)
 - A. AWS takes care of application security patching
 - B. AWS makes it easy to implement high availability
 - C. AWS automatically replicates all data globally
 - D. AWS will fully manage the entire application
 - E. AWS can accommodate large changes in application demand

3. A Service Control Policy (SCP) is used to manage the maximum available permissions and is associated with which of the following?
Service control policies (SCPs) manage permissions for which of the following?
 - A. AWS Regions
 - B. AWS Organisations
 - C. AWS Global Infrastructure
 - D. Availability Zones

4. Which AWS support plans provide support via email, chat and phone? (Select TWO.)
 - A. Basic
 - B. Global
 - C. Enterprise
 - D. Developer
 - E. Business

5. What are the names of two types of AWS Storage Gateway? (Select TWO.)
 - A. S3 Gateway

- B. Gateway Virtual Tape Library
 - C. File Gateway
 - D. Cached Gateway
 - E. Block Gateway
6. Which AWS service helps customers meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?
- A. AWS Secrets Manager
 - B. AWS CloudHSM
 - C. AWS Directory Service
 - D. AWS Key Management Service (AWS KMS)
7. Which AWS service or feature allows a company to receive a single monthly AWS bill when using multiple AWS accounts?
- A. AWS Cost and Usage report
 - B. AWS Cost Explorer
 - C. Consolidated billing
 - D. Amazon Cloud Directory
8. What are the benefits of using the AWS Managed Services? (Select TWO.)
- A. Support for all AWS services
 - B. Manages applications so you can focus on infrastructure
 - C. Designed for small business
 - D. Alignment with ITIL processes
 - E. Baseline integration with ITSM tools
9. Which of the following compliance programs allows the AWS environment to process, maintain, and store protected health information?
- A. PCI DSS
 - B. HIPAA
 - C. ISO 27001
 - D. SOC 1

10. Which of the following are valid best practices for using the AWS Identity and Access Management (IAM) service? (Select TWO.)

- A. Use groups to assign permissions to IAM users
- B. Embed access keys in application code
- C. Use inline policies instead of customer managed policies
- D. Grant maximum privileges to IAM users
- E. Create individual IAM users

11. Which of the following tasks can a user perform to optimise Amazon EC2 costs? (Select TWO.)

- A. Create users in a single region to reduce the spread of EC2 instances globally.
- B. Purchase Amazon EC2 reserved instances
- C. Create a policy to restrict IAM users from accessing the Amazon EC2 console.
- D. Set a budget to limit spending on Amazon EC2 instances using AWS budgets.
- E. Implement Auto Scaling groups to add and remove instances based on demand

12. Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Trusted Advisor dashboard
- C. AWS Personal Health Dashboard
- D. Amazon CloudWatch dashboard

13. What can a Cloud Practitioner use the AWS Total Cost of Ownership (TCO) Calculator for?

- A. Estimate savings when comparing the AWS Cloud to an on-premises environment
- B. Estimate a monthly bill for the AWS Cloud resources that will be used
- C. Generate reports that break down AWS Cloud compute costs by duration, resource, or tags

- D. Enable billing alerts to monitor actual AWS costs compared to estimated costs
14. A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in an Amazon VPC.
Which service should be used to deploy the application?
A. Amazon EC2
B. Amazon LightSail
C. AWS Elastic Beanstalk
D. AWS CloudFormation
15. Which AWS service can be used to load data from Amazon S3, transform it, and move it to another destination?
A. Amazon EMR
B. Amazon RedShift
C. AWS Glue
D. Amazon Kinesis
16. Which AWS service should a Cloud Practitioner use to automate configuration management using Puppet?
A. AWS Config
B. AWS OpsWorks
C. AWS CloudFormation
D. AWS Systems Manager
17. Amazon S3 is typically used for which of the following use cases?
(Select TWO.)
A. Media hosting
B. Host a static website
C. Message queue
D. Install an operating system
E. In-memory data cache

18. A Cloud Practitioner requires a simple method to identify if unrestricted access to resources has been allowed by security groups. Which service can the Cloud Practitioner use?

- A. AWS CloudTrail
- B. AWS Trusted Advisor**
- C. Amazon CloudWatch
- D. VPC Flow Logs

19. Which AWS service is a fully-managed source control service that hosts secure Git-based repositories?

- A. AWS CodeBuild
- B. AWS CodeCommit**
- C. AWS CodeDeploy
- D. AWS CodePipeline

20. Which AWS services offer compute capabilities? (Select TWO.)

- A. Amazon ECS**
- B. Amazon DynamoDB
- C. Amazon EFS
- D. Amazon CloudHSM
- E. AWS Lambda**

21. Which cloud architecture design principle is supported by deploying workloads across multiple Availability Zones?

- A. Automate infrastructure
- B. Design for failure**
- C. Enable elasticity
- D. Design for agility

22. Which AWS service does AWS Snowball Edge natively support?

- A. AWS Database Migration Service (AWS DMS)
- B. AWS Trusted Advisor
- C. Amazon EC2**
- D. AWS Server Migration Service (AWS SMS)

23. Which of the following is an advantage for a company running workloads in the AWS Cloud vs on-premises? (Select TWO.)

- A. Lower overall utilisation of server and storage systems.
- B. Increased time to market for new application features
- C. Less staff is required to launch new workloads
- D. Higher acquisition costs to support elastic workloads
- E. Increased productivity for application development teams.

24. A Cloud Practitioner wants to configure the AWS CLI for programmatic access to AWS services. Which credential components are required? (Select TWO.)

- A. An access key ID
- B. A secret access key
- C. A public key
- D. An IAM Role
- E. A private key

25. A company has a global user base and needs to deploy AWS services that can decrease network latency for their users. Which services may assist? (Select TWO.)

- A. AWS Global Accelerator
- B. AWS Direct Connect
- C. Application Auto Scaling
- D. Amazon VPC
- E. Amazon CloudFront

26. Which AWS service should a Cloud Practitioner use to establish a secure network connection between an on-premises network and AWS?

- A. AWS Mobile Hub
- B. Amazon Virtual Private Cloud (VPC)
- C. AWS Web Application Firewall
- D. Virtual Private Network

27. Which AWS service can be used to run Docker containers?

- A. Amazon AMI
- B. Amazon ECR
- C. AWS Lambda
- D. **Amazon ECS**

28. Which benefits can a company immediately realize using the AWS Cloud? (Select TWO.)

- A. No responsibility for security
- B. User control of physical infrastructure
- C. **Capital expenses are replaced with variable expenses**
- D. Variable expenses are replaced with capital expenses
- E. **Increased agility**

29. Which of the following can be used to identify a specific user who terminated an Amazon RDS DB instance?

- A. Amazon CloudWatch
- B. AWS Trusted Advisor
- C. **AWS CloudTrail**
- D. Amazon Inspector

30. What is the function of Amazon EC2 Auto Scaling?

- A. Automatically modifies the network throughput of EC2 instances, based on demand
- B. Scales the size of EC2 instances up or down automatically, based on demand
- C. Automatically updates the EC2 pricing model, based on demand.
- D. **Scales the number of EC2 instances in or out automatically, based on demand.**

31. A Cloud Practitioner is re-architecting a monolithic application. Which design principles for cloud architecture do AWS recommend? (Select TWO.)

- A. Implement loose coupling
- B. Use self-managed servers
- C. Implement manual scalability
- D. Rely on individual components
- E. Design for Scalability

32. How should an organization deploy an application running on multiple EC2 instances to ensure that a power failure does not cause an application outage?

- A. Launch the EC2 instances into Edge Locations
- B. Launch the EC2 instances into different VPCs
- C. Launch the EC2 instances in separate regions
- D. Launch the EC2 instances into different Availability Zones

33. Which AWS service can be used to host a static website?

- A. Amazon S3
- B. Amazon EBS
- C. Amazon CloudFormations
- D. Amazon EFS

34. What can be used to allow an application running on an Amazon EC2 instance to securely store data in an Amazon S3 bucket without using long-term credentials?

- A. AWS Systems Manager
- B. AWS IAM access key
- C. Amazon Connect
- D. AWS IAM role

35. According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Updating the operating system of AWS Lambda instances.
- B. Maintaining Amazon API Gateway infrastructure
- C. Updating the guest operating system on AmazonEC2 instances**
- D. Maintaining the infrastructure needed to run Amazon DynamoDB

36. AWS are able to continue to reduce their pricing due to:

- A. Economies of scale**
- B. Reversed instance pricing
- C. The AWS global infrastructure
- D. Pay-as-you go pricing

37. Which of the following are AWS recommended best practices in relation to IAM? (Select TWO.)

- A. Grant greatest privilege
- B. Create individual IAM users**
- C. Embed access keys in application code
- D. Assgn permissions to users
- E. Enable MFA for all users**

38. A company requires a dashboard for reporting when using a business intelligence solution. Which AWS service can a Cloud Practitioner use?

Which AWS service can be used?

- A. Amazon Athena
- B. Amazon Kinesis
- C. Amazon Redshift
- D. Amazon QuickSight**

39. Which AWS service protects against common exploits that could compromise application availability, compromise security or consume excessive resources?

- A. AWS WAF
- B. AWS Shield
- C. Security Group
- D. Network ACL

40. An application stores images which will be retrieved infrequently, but must be available for retrieval immediately. Which is the most cost-effective storage option that meets these requirements?

- A. Amazon S3 Standard-Infrequent Access
- B. Amazon S3 Standard
- C. Amazon Glacier with expedited retrievals
- D. Amazon EFS

41. A cloud practitioner needs to migrate a 70 TB of data from an on-premises data center into the AWS Cloud. The company has a slow and unreliable internet connection.

Which AWS service can the cloud practitioner leverage to transfer the data?

- A. AWS DataSync
- B. AWS Storage Gateway
- C. AWS Snowball
- D. Amazon S3 Glacier

42. A new user is unable to access any AWS services, what is the most likely explanation?

- A. By default new users are created without access to any AWS services
- B. The services are currently unavailable
- C. The default limit for user logons has been reached
- D. The user needs to login with a key pair

43. Which of the following best describes an Availability Zone in the AWS Cloud?

- A. A completely isolated geographic location
- B. One or more physical data centers**
- C. A subnet for deploying resources into
- D. One or more edge locations based around the world

44. An eCommerce company plans to use the AWS Cloud to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which feature of the AWS Cloud provides this functionality?

- A. Fault tolerance
- B. Elasticity
- C. Agility**
- D. Cost effectiveness

45. A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

- A. AWS Config
- B. Amazon Macie
- C. EC2 security groups
- D. Amazon Inspector**

46. Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Storage Gateway**
- D. AWS Backup

47. Which services are involved with security? (Select TWO.)

- A. AWS SMS
- B. AWS KMS
- C. AWS CloudHSM
- D. AWS DMS
- E. Amazon ELB

48. How can an organization assess application for vulnerabilities and deviations from best practice?

- A. Use AWS WAF
- B. Use AWS Shield
- C. Use AWS Artifact
- D. Use AWS Inspector

49. Which on-premises costs must be included in a Total Cost of Ownership (TCO) calculation when comparing against the AWS Cloud? (Select TWO.)

- A. Network infrastructure in the data center
- B. Physical compute hardware
- C. Database schema development
- D. Operating system administration
- E. Project management services

50. Which of the following security operations tasks must be performed by AWS customers? (Select TWO.)

- A. Collecting syslog messages from physical firewalls
- B. Installing security updates on EC2 instances
- C. Issuing data center access keycards
- D. Enabling multi-factor authentication (MFA) for privileged users
- E. Installing security updates for server firmware

51. Which Amazon EC2 pricing model should be avoided if a workload cannot accept interruption if capacity becomes temporarily unavailable?

- A. Standard Reserved Instances
- B. On-Demand Instances
- C. **Spot Instances**
- D. Convertible Reserved Instances

52. Which AWS-managed service can be used to process vast amounts of data using a hosted Hadoop framework?

- A. Amazon Athena
- B. Amazon Redshift
- C. Amazon DynamoDB
- D. **Amazon EMR**

53. According to the shared responsibility model, which security-related task is the responsibility of the customer?

- A. Maintaining physical networking configuration
- B. Securing servers and racks at AWS data centers
- C. Maintaining firewall configurations at a hardware level
- D. **Maintaining server-side encryption**

54. Which AWS service is used to send both text and email messages from distributed applications?

- A. **Amazon Simple Notification Service (Amazon SNS)**
- B. Amazon Simple Queue Service (Amazon SQS)
- C. Amazon Simple Workflow Service (Amazon SWF)
- D. Amazon Simple Email Service (Amazon SES)

55. Which of the following should be used to improve the security of access to the AWS Management Console? (Select TWO.)

- A. AWS Secrets Manager
- B. **Strong password policies**
- C. Security group rules
- D. **AWS Multi-Factor Authentication (AWS MFA)**

56. According to the shared responsibility mode, which security and compliance task is AWS responsible for?

- A. Updating Operating systems
- B. Granting permissions to users and services
- C. Encrypting data at rest
- D. **Updating Amazon EC2 host firmware**

57. What should a Cloud Practitioner ensure when designing a highly available architecture on AWS?

- A. Servers have low latency and high throughput network connectivity.
- B. There are enough servers to run at peak load available at all times
- C. **The failure of a single component should not affect the application**
- D. A single monolithic application component handles all operations

58. A Cloud Practitioner noticed that IP addresses that are owned by AWS are being used to attempt to flood ports on some of the company's systems.

To whom should the issue be reported?

- A. AWS Professional Services
- B. **AWS Trust & Safety team**
- C. AWS Partner Network (APN)
- D. AWS Technical Account Manager (TAM)

59. How can a security compliance officer retrieve AWS compliance documentation such as a SOC 2 report?

- A. Using AWS Inspector
- B. **Using AWS Artifact**
- C. Using the AWS Personal Health Dashboard
- D. Using AWS Trusted Advisor

60. Which AWS service can be used to perform data extract, transform, and load (ETL) operations so you can prepare data for analytics?

- A. AWS Glue
- B. Amazon S3 Select
- C. Amazon Athena
- D. Amazon QuickSight

61. Which service can a Cloud Practitioner use to configure custom cost and usage limits and enable alerts for when defined thresholds are exceeded?

- A. AWS Budgets
- B. Cost Explorer
- C. Consolidated billing
- D. AWS Trusted Advisor

62. An application has highly dynamic usage patterns. Which characteristics of the AWS Cloud make it cost-effective for this type of workload? (Select TWO.)

- A. High Availability
- B. Reliability
- C. Strict security
- D. Elasticity
- E. Pay-as-you-go pricing

63. Which of the statements below is correct in relation to Consolidated Billing? (Select TWO.)

- A. You receive a single bill for multiple accounts
- B. You are charged a fee per user
- C. You pay a fee per linked account
- D. You receive one bill per AWS account
- E. You can combine usage and share volume pricing discounts

64. A company needs a consistent and dedicated connection between AWS resources and an on-premise system.

Which AWS service can fulfil this requirement?

- A. AWS DataSync
- B. AWS Managed VPN
- C. AWS Direct Connect
- D. Amazon Connect

65. Which benefit of AWS enables companies to replace upfront fixed expenses with variable expenses when using on-demand technology services?

- A. Pay-as-you go pricing
- B. Global reach
- C. Economies of scale
- D. High availability

1. How does the consolidated billing feature of AWS Organizations treat Reserved Instances that were purchased by another account in the organization?
 - a. ALL accounts in the organization are treated as one account for volume a discount but not for reserved instance
 - b. only the master account can benefit from the hourly cost benefit of the Reserved instances
 - c. AWS Organization does not support any volume or reserved instance benefit across accounts, it just a method of aggregating bills
 - d. All accounts in the organization are treated as one account so any account can receive the hourly cost benefit
2. What is the best way for an organization to transfer hundreds of terabytes of data from their on-premise data center into Amazon S3 with limited bandwidth available?
 - a. Use S3 Transfer Acceleration
 - b. Use Amazon CloudFront
 - c. Use AWS Snowball
 - d. Apply compression before uploading
3. An Amazon EC2 instance running the Amazon Linux 2 AMI is billed in what increment?
 - a. per Gb
 - b. per CPU
 - c. per second
 - d. per hour
4. Which AWS support plan comes with a Technical Account Manager (TAM)?
 - a. Basic
 - b. Developer
 - c. Enterprise
 - d. Business
5. Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?
 - a. Managing edge locations
 - b. Firewall configuration
 - c. Global infrastructure
 - d. Physical security
6. Which service allows an organization to view operational data from multiple AWS services through a unified user interface and automate operational tasks?
 - a. AWS System Manager
 - b. AWS OpsWorks
 - c. AWS Config
 - d. AWS CloudWatch
7. Which AWS services are associated with Edge Locations? (Select TWO.)
 - a. AWS Config
 - b. AWS Direct Connect
 - c. Amazon CloudFront
 - d. AWS Shield
 - e. Amazon EBS

8. A company plans to connect their on-premises data center to the AWS Cloud and requires consistent bandwidth and performance.
Which AWS service should the company choose?
- AWS Direct Connect
 - AWS VPN
 - Amazon CloudFront
 - Amazon Connect
9. Which feature enables fast, easy, and secure transfers of files over long distances between a client and an Amazon S3 bucket?
- S3 Copy
 - Multipart Upload
 - S3 Transfer Acceleration**
 - S3 Static Websites
10. Which of the options below are recommendations in the cost optimization pillar of the well-architected framework? (Select TWO.)
- Manage Your services independently
 - Adopt a consumption model**
 - Adopt a capital expenditure model
 - Start spending money on data operations
 - Analyze and attribute expenditure**
11. Which IAM entity can be used for assigning permissions to multiple users?
- IAM User
 - IAM Group**
 - IAM Role
 - IAM password policy
12. Which AWS service or component allows inbound traffic from the internet to access a VPC?
- NAT Gateway
 - Virtual Private Gateway
 - Internet gateway**
 - VPC Route Table
13. Which database allows you to scale at the push of a button without incurring any downtime?
- Amazon EMR
 - Amazon RDS
 - Amazon DynamoDB**
 - Amazon RedShift
14. Which IAM entity is associated with an access key ID and secret access key?\
- IAM Group
 - IAM Policy
 - IAM Role
 - IAM User**
15. Which service can be used to cost-effectively move exabytes of data into AWS?
- S3 Transfer Acceleration
 - AWS Snowball
 - S3 Cross-Region Replication (CRR)
 - AWS Snowmobile**
16. Which AWS tools can be used for automation? (Select TWO.)
- Amazon Elastic File System (EFS)

- b. AWS CloudFormation
 - c. AWS Lambda
 - d. **AWS Elastic Beanstalk**
 - e. Elastic Load Balancing
17. What is a benefit of moving an on-premises database to Amazon Relational Database Service (RDS)?
- a. You can run database engine
 - b. **There is no need to manage operating systems**
 - c. You can scale vertically without downtime
 - d. There is no database administration required
18. How can an organization track resource inventory and configuration history for the purpose of security and regulatory compliance?
- a. **Configure AWS Config with the resource types**
 - b. Run a report with AWS Artifact
 - c. Implement Amazon GuardDuty
 - d. Create an AmazonTrail trail
19. Which authentication method is used to authenticate programmatic calls to AWS services?
- a. Server certificate
 - b. Console password
 - c. **Access Keys**
 - d. Key pair
20. Which AWS service lets you use Chef and Puppet to automate how servers are configured, deployed, and managed across your Amazon EC2 instances or on-premises compute environments?
- a. **AWS OpsWorks**
 - b. AWS System Manager
 - c. AWS CloudFormation
 - d. AWS Elastic Beanstalk
21. Which service provides the ability to simply upload applications and have AWS handle the deployment details of capacity provisioning, load balancing, auto-scaling, and application health monitoring?
- a. Amazon EC2 Auto Scaling
 - b. AWS OPsWorks
 - c. **AWS Elastic Beanstalk**
 - d. AWS EC2
22. A company needs to optimize costs and resource usage through monitoring of operational health for all resources running on AWS.
Which AWS service will meet these requirements?
- a. AWS CloudTrail
 - b. **Amazon CloudWatch**
 - c. AWS Control Tower
 - d. AWS Config
23. Which IAM entity can be used for assigning permissions to AWS services?
- a. IAM Policy
 - b. IAM Access Key ID and Secret Access Key
 - c. Security Token Service (STS)
 - d. **IAM Role**
24. Which service can be used to easily create multiple accounts?
- a. Amazon Connect
 - b. AWS IAM

- c. AWS CloudFormation
 - d. AWS Organisations
25. What tool provides real time guidance to help you provision your resources following best practices in the areas of cost optimization, performance, security, and fault tolerance?
- a. AWS IAM
 - b. AWS Personal Health Dashboard
 - c. AWS Trusted Advisor
 - d. AWS Inspector
26. Which service can an organization use to track API activity within their account?
- a. Amazon CloudWatch
 - b. AWS CloudTrail
 - c. AWS CloudHSM
 - d. AWS IAM
27. When using AWS Organizations with consolidated billing what are two valid best practices? (Select TWO.)
- a. Always enable multi-factor authentication (MFA) on the root account
 - b. Never exceed the limit of 20 accounts
 - c. Always use a straightforward password on the root account
 - d. The paying account should be used for billing purposes only
 - e. Use the paying account for deploying resources
28. Which AWS service or feature can be used to capture information about inbound and outbound IP traffic on network interfaces in a VPC?
- a. VPC Endpoint
 - b. Internet gateway
 - c. AWS CloudTrail
 - d. VPC Flow Logs
29. Which service provides a way to convert video and audio files from their source format into versions that will playback on devices like smartphones, tablets and PCs?
- a. Amazon Comprehend
 - b. AWS Glue
 - c. Amazon Rekognition
 - d. Amazon Elastic Transcoder
30. Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Cloud Support Engineers through email, online chat, and phone?
- a. Business
 - b. Basic
 - c. Developer
 - d. Enterprise
31. Which AWS service does API Gateway integrate with to enable users from around the world to achieve the lowest possible latency for API requests and responses?
- a. AWS Lambda
 - b. Amazon CloudFront
 - c. AWS Direct Connect
 - d. Amazon S3 Transfer Acceleration
32. A manager is planning to migrate applications to the AWS Cloud and needs to obtain AWS compliance reports.

How can these reports be generated?

- a. Create a support ticket with AWS Support
 - b. Contact the AWS Compliance team
 - c. Download the reports from AWS Secrets Manager
 - d. **Download the reports from AWS Artifacts**
33. Which service can be used to create sophisticated, interactive graph applications?
- a. Amazon Redshift
 - b. Amazon Athena
 - c. **Amazon Neptune**
 - d. Aws X-Ray
34. Which of the below AWS services supports automated backups as a default configuration?
- a. Amazon EBS
 - b. **Amazon RDS**
 - c. Amazon S3
 - d. Amazon EC2
35. Which AWS services can be used as infrastructure automation tools? (Select TWO.)
- a. Amazon QuickSight
 - b. AWS Batch
 - c. **AWS OpsWork**
 - d. **AWS CloudFormation**
 - e. Amazon CloudFront
36. What are Edge locations used for?
- a. They are used for terminating VPN connections
 - b. **They are used by CloudFront for caching content**
 - c. They are the public-facing API for Amazon S3
 - d. They are used by regions for intern-region connectivity
37. How can a company separate costs for storage, Amazon EC2, Amazon S3, and other AWS services by department?
- a. Create a separate VPC for each department
 - b. Use AWS Organizations
 - c. **Add department-specific tags to each resource**
 - d. Create a separate AWS account for each department
38. Which AWS service can be used to track the activity of users on AWS?
- a. Amazon CloudWatch
 - b. Amazon Inspector
 - c. **AWS CloudTrail**
 - d. AWS Directory Service
39. When using Amazon IAM, what authentication methods are available to use? (Select TWO.)
- a. AES 256
 - b. Client certificate
 - c. **Server certificates**
 - d. **Access keys**
 - e. AWS KMS
40. A company has a website that delivers static content from an Amazon S3 bucket to users from around the world. Which AWS service will deliver the content with low latency?
- a. AWS Global Accelerator
 - b. AWS Elastic Beanstalk
 - c. AWS Lambda
 - d. **Amazon CloudFront**

41. You need to run a production process that will use several EC2 instances and run constantly on an ongoing basis. The process cannot be interrupted or restarted without issue. What EC2 pricing model would be best for this workload?
- a. Reserved instances
 - b. Spot instances
 - c. Flexible instances
 - d. On-demand instances
42. Which statement best describes Amazon Route 53?
- a. **Amazon Route 53 is a highly available and scalable Domain Name System (DNS) service**
 - b. Amazon Route 53 is a service for distributing incoming connections between a fleet of registered EC2
 - c. Amazon Route 53 enables hybrid cloud models by extending an organization's on-premises networks into the AWS cloud
 - d. Amazon Route 53 is a service that enables routing within VPC'S in an account
43. What are the benefits of using reserved instances? (Select TWO.)
- a. **Reserve capacity**
 - b. Uses dedicated hardware
 - c. High availability
 - d. More flexibility
 - e. **Reduce cost**
44. What are the benefits of using Amazon Rekognition with image files?
- a. Can be used to resize images
 - b. Can be used to transcode audio
 - c. Can help with image compression
 - d. **Can be used to identify objects in an image**
45. Which AWS service is known as a "serverless" service and runs code as functions triggered by events?
- a. **AWS Lambda**
 - b. Amazon Cognito
 - c. Amazon CodeDeploy
 - d. Amazon ECS
46. What are the advantages of Availability Zones? (Select TWO.)
- a. **They provide fault isolation**
 - b. **They are connected by low-latency network connections**
 - c. They enable the caching of data for faster delivery to end users
 - d. They enable you to connect your on-premises network to AWS to form a hybrid cloud
 - e. They allow regional disaster recovery
47. A user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access.

Which AWS service will support this requirement?

- a. VPC Flow Logs
 - b. AWS CloudWatch Logs
 - c. **AWS Trusted Advisor**
 - d. AWS Shield
48. Which AWS database service provides a fully managed data warehouse that can be analysed using SQL tools and business intelligence tools?
- a. Amazon RDS

- b. Amazon Redshift
 - c. Amazon ElasticCache
 - d. Amazon DynamoDB
- 49. Which Amazon EC2 pricing model is the most cost-effective for an always-up, right-sized database server running a project that will last 1 year?
 - a. Convertible Reserved instances
 - b. On-demand instances
 - c. **Standard Reserved Instances**
 - d. Spot instances
- 50. Which of the below is an example of an architectural benefit of moving to the cloud?
 - a. Vertical scalability
 - b. **Elasticity**
 - c. Proprietary hardware
 - d. Monolithic services
- 51. A security operations engineer needs to implement threat detection and monitoring for malicious or unauthorized behaviour. Which service should be used?
 - a. **Amazon GuardDuty**
 - b. AWS Shield
 - c. AWS KMS
 - d. AWS CloudHSM
- 52. How does Amazon EC2 Auto Scaling help with resiliency?
 - a. By changing instance to increase capacity
 - b. **By Launching and terminating instance as needed**
 - c. By Automating the failover of applications
 - d. By distributing connections to EC2 instances
- 53. You are concerned that you may be getting close to some of the default service limits for several AWS services. What AWS tool can be used to display current usage and limits?
 - a. AWS System Manager
 - b. **AWS Trusted Advisor**
 - c. AWS Personal Health Dashboard
 - d. AWS CloudWatch
- 54. You have been running an on-demand Amazon EC2 instance running Linux for 4hrs, 5 minutes and 6 seconds. How much time will you be billed for?
 - a. 4hrs,6min
 - b. 4hrs
 - c. **4hrs,5mins, and 6 seconds**
 - d. 5hrs
- 55. Under the AWS shared responsibility model what is AWS responsible for? (Select TWO.)
 - a. Configurations of security groups
 - b. Patch management of operating systems
 - c. **Replacement and disposal of disk drives**
 - d. **Physical security of the data center**
 - e. Encryption of customer data

56. Which of the following statements are correct about the benefits of AWS Direct Connect? (Select TWO.)
- a. Increased bandwidth (predictable bandwidth)
 - b. Lower cost than a VPN
 - c. Quick to implement
 - d. Increased reliability (predictable performance)
 - e. Uses redundant paths across the internet
57. To ensure the security of your AWS account, what are two AWS best practices for managing access keys? (Select TWO.)
- a. Rotate access keys daily
 - b. Don't create any access keys, use IAM roles instead
 - c. Where possible, use IAM roles with temporary security credentials
 - d. Don't generate an access key for the root account user
 - e. Use MFA for access keys
58. Which AWS service provides on-demand downloads of AWS security and compliance reports?
- a. AWS Artifact
 - b. AWS Trusted Advisor
 - c. AWS Directory Service
 - d. Amazon Inspector
59. To gain greater discounts, which services can be reserved? (Select TWO.)
- a. AWS Lambda
 - b. Amazon CloudWatch
 - c. Amazon Redshift
 - d. Amazon S3
 - e. Amazon DynamoDB
60. What is a specific benefit of an Enterprise Support plan?
- a. Included Cloud Support Associate
 - b. Included Technical Support Manager
 - c. Included AWS Solutions Architect
 - d. Included Technical Account Manager
61. Which AWS service or feature can be used to restrict the individual API actions that users and roles in each member account can access?
- a. AWS Organizations
 - b. Amazon Macie
 - c. AWS Shield
 - d. AWS IAM
62. A company has been using an AWS managed IAM policy for granting permissions to users but needs to add some permissions.

How can this be achieved?

- a. Create a service Control Policy
 - b. Create a custom IAM policy.
 - c. Create a rule in AWS WAF.
 - d. Edit the AWS managed policy.
63. Your CTO wants to move to cloud. What cost advantages are there to moving to cloud?

- a. You provision only what you need and adjust to peak load
 - b. You get free data transfer into and out of the cloud
 - c. You can reduce your marketing costs
 - d. You don't need to pay for application licensing
64. What are the charges for using Amazon Glacier? (Select TWO.)
- a. Retrieval requests.
 - b. Data Storage
 - c. Data transferred into Glacier
 - d. Number of Availability Zones
 - e. Enhanced networking
65. What technology enables compute capacity to adjust as loads change?
- a. Load balancing
 - b. Round robin
 - c. Automatic failover
 - d. Auto Scaling

AWS Certified Cloud Practitioner: Test 4

1. Which of the following need to be included in a total cost of ownership (TCO) analysis? (Select TWO.)
 - a. IT Manager salary
 - b. Application development
 - c. Data center security costs
 - d. Company wide marketing
 - e. Facility equipment installation
2. Which feature of AWS IAM enables you to identify unnecessary permissions that have been assigned to users?
 - a. Access Advisor
 - b. Group Advisor
 - c. Permissions Advisor
 - d. Role Advisor
3. Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?
 - a. On-Demand Instances
 - b. Reserved Instances
 - c. Dedicated Hosts
 - d. Spot Instances
4. Which type of AWS Storage Gateway can be used to backup data with popular backup software?
 - a. File Gateway
 - b. Volume Gateway
 - c. Backup Gateway
 - d. Gateway Virtual Tape Library
5. Which AWS service allows you to automate the evaluation of recorded configurations against desired configuration?
 - a. AWS CloudFormation
 - b. AWS OpsWorks
 - c. AWS Config
 - d. AWS Service Catalog

6. What billing timeframes are available for Amazon EC2 on-demand instances? (Select TWO.)
- a. Per week
 - b. Per second**
 - c. Per minute
 - d. Per hour**
 - e. Per day
7. When using Amazon RDS databases, which items are you charged for? (Select TWO.)
- a. Backup up to the DB size
 - b. Outbound data transfer**
 - c. Multi AZ
 - d. Inbound data transfer**
 - e. Single AZ
8. Which storage type can be mounted using the NFS protocol to many EC2 instances simultaneously?
- a. Amazon Instance Store
 - b. Amazon EBS
 - c. Amazon S3
 - d. Amazon EFS**
9. What is the scope of an Amazon Virtual Private Cloud (VPC)?
- a. It spans all Availability Zones within a region**
 - b. It spans all Availability Zones in all regions
 - c. It spans a single CIDR block
 - d. It spans multiple subnets
10. What is the difference between an EBS volume and an Instance store?
- a. EBS volumes are object storage devices whereas Instance store volume are block based.
 - b. EBS volumes are file-level storage devices whereas Instance store volumes are object-based.
 - c. Instance store volumes are ephemeral whereas EBS volumes are persistent storage**
 - d. Instance store volumes can be used with all EC2 instance types whereas EBS cannot

11. What is the most cost-effective Amazon S3 storage tier for data that is not often accessed but requires high availability?
- a. Amazon S3 One Zone-IA
 - b. Amazon Glacier
 - c. **Amazon S3 Standard-IA**
 - d. Amazon S3 Standard
12. What are the fundamental charges for an Amazon EC2 instance? (Select TWO.)
- a. Your own AMIS
 - b. Basic monitoring
 - c. **Data storage**
 - d. Private IP address
 - e. **Server uptime**
13. Which of the advantages of cloud listed below is most closely addressed by the capabilities of AWS Auto Scaling?
- a. **Stop guessing about capacity**
 - b. Benefit from massive economies of scale
 - c. Go global in minutes
 - d. Stop spending money running and maintaining data centers
14. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceed a certain threshold?
- a. AWS Cost Explorer
 - b. AWS Cost and Usage report
 - c. **AWS Budgets**
 - d. AWS CloudTrail
15. Which AWS service provides a quick and automated way to create and manage AWS accounts?
- a. Amazon LightSail
 - b. **AWS Organizations**
 - c. Amazon Connect
 - d. AWS QuickSight
16. When performing a total cost of ownership (TCO) analysis between on-premises and the AWS Cloud, which factors are only relevant to on-premises deployments? (Select TWO.)
- a. Database administration
 - b. **Facility operations costs**
 - c. Operating system licensing
 - d. **Hardware procurement teams**
 - e. Application licensing

17. Which tool can be used to provide real time guidance on provisioning resources following AWS best practices?
- a. AWS Trusted Advisor
 - b. AWS Simple Monthly Calculator
 - c. AWS Inspector
 - d. AWS Personal Health Dashboard
18. Which Amazon EC2 pricing option provides significant discounts for fixed term contracts?
- a. Spot Instances
 - b. Reserved Instances
 - c. Dedicated Instances
 - d. Dedicated Hosts
19. An organization has multiple AWS accounts and uses a mixture of on-demand and reserved instances. One account has a considerable amount of unused reserved instances. How can the organization reduce their costs? (Select TWO.)
- a. Setup consolidated billing between the accounts
 - b. Use Spot instances instead
 - c. Redeem their reserved instances
 - d. Create an AWS Organization configuration linking the accounts
 - e. Switch to using placement groups
20. Where can resources be launched when configuring Amazon EC2 Auto Scaling?
- a. Multiple AZs within a region
 - b. Multiple AZs and multiple regions
 - c. A single subnet
 - d. Multiple VPCs
21. Which type of security control can be used to deny network access from a specific IP address?
- a. AWS Shield
 - b. Security Group
 - c. Network ACL
 - d. AWS WAF
22. An organization has an on-premises cloud and accesses their AWS Cloud over the Internet. How can they create a private hybrid cloud connection that avoids the internet?
- a. AWS VPC Endpoint
 - b. AWS Direct Connect
 - c. AWS VPN CloudHub
 - d. AWS Managed VPN

23. Which type of connection should be used to connect an on-premises data center with the AWS cloud that is high speed, low latency and does not use the Internet?

- a. AWS Managed VPN
- b. Direct Connect**
- c. VPC Endpoints
- d. Client VPN

24. The AWS acceptable use policy for penetration testing allows?

1. Customers to carry out security assessments or penetration tests against their AWS infrastructure after obtaining authorization from AWS.

2. Authorized security assessors to perform penetration tests against any AWS customer without authorization.

3. Customers to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for selected services.

4. AWS to perform penetration testing against customer resources without notification.

25. Which of the following are advantages of the AWS Cloud? (Select TWO.)

- a. AWS manages the maintenance of the cloud infrastructure**
- b. AWS manages the security of applications built on AWS
- c. AWS manages capacity planning for physical servers**
- d. AWS manages cost planning for virtual servers
- e. AWS manages the development of applications on AWS

26. Which Amazon RDS deployment type is best used to enable fault tolerance in the event of the failure of an availability zone?

- a. Read Replicas
- b. Write Replicas
- c. Multiple Regions
- d. Multiple Availability Zones**

27. Which of the following can be assigned to an IAM user? (Select TWO.)

- a. An access key ID and secret access key**
- b. A key pair
- c. A password for logging into Linux
- d. An SSL/TLS certificate
- e. A password for access to the management console**

28. How does “elasticity” benefit an application design?
- a. By reserving capacity to reduce cost
 - b. By selecting the correct storage tier for your workload
 - c. **By automatically scaling resources based on demand**
 - d. By reducing interdependencies between application components

29. What types of monitoring can Amazon CloudWatch be used for? (Select TWO.)
- a. Infrastructure
 - b. API access
 - c. Data center
 - d. **Application performance**
 - e. **Operational health**

30. You would like to collect custom metrics from a production application every 1 minute. What type of monitoring should you use?
- a. **CloudWatch with detailed monitoring**
 - b. CloudTrail with detailed monitoring
 - c. CloudWatch with basic monitoring
 - d. CloudTrail with basic monitoring

31. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept?
- a. Agility
 - b. High availability
 - c. **Elasticity**
 - d. Economy of scale

32. Which Amazon EC2 billing option gives you low cost, maximum flexibility, no upfront costs or commitment, and you only pay for what you use?
- a. Spot Instances
 - b. Reserved Instances
 - c. Dedicated Host
 - d. **On-Demand Instances**

33. Which of the options below are recommendations in the reliability pillar of the well-architected framework? (Select TWO.)
- a. **Stop guessing about capacity**
 - b. Scale vertically using big systems
 - c. Manually recover from failure
 - d. **Test recovery procedures**
 - e. Manage change in manual processes

34. Which service can be used to assign a policy to a group?
- a. AWSN STS
 - b. AWS Shield
 - c. Amazon Cognito
 - d. AWS IAM**
35. How can consolidated billing within AWS Organizations help lower overall monthly expenses?
- a. By leveraging service control policies (SCP) for centralized service management
 - b. By providing a consolidated view of monthly billing across multiple accounts
 - c. By automating the creation of new accounts through APIS
 - d. By pooling usage across multiple accounts to achieve a pricing tier discount**
36. What is the benefit of using fully managed services compared to deploying 3rd party software on EC2?
- a. Improved security
 - b. You have greater control and flexibility
 - c. Reduced operational overhead**
 - d. You don't need to back-up your data
37. Which service can be used to manage configuration versions?
- a. Amazon Inspector
 - b. AWS Config**
 - c. AWS Artifact
 - d. AWS Service Catalog
38. How are AWS Lambda functions triggered?
- a. Metrics
 - b. Events**
 - c. Schedules
 - d. Counters
39. Which Compute service should be used for running a Linux operating system upon which you will install custom software?
- a. Amazon EKS
 - b. AWS Lambda
 - c. Amazon EC2**
 - d. Amazon ECS

40. What are two examples of the advantages of cloud computing? (Select TWO.)

- a. Benefit from massive economies of scale
- b. Increase speed and agility
- c. Secure data centers
- d. Trade operating costs for capital costs
- e. Trade variable expense for capital expense

41. In addition to DNS services, what other services does Amazon Route 53 provide? (Select TWO.)

- a. Caching
- b. DHCP
- c. Traffic flow
- d. Domain registration
- e. IP Routing

42. What does an organization need to do to move to another AWS region?

- a. Just start deploying resources in the additional region
- b. Submit an application to extend their account to the additional region
- c. Create a separate IAM account for that region
- d. Apply for another AWS account in that region

43. What are the fundamental charges for Elastic Block Store (EBS) volumes? (Select TWO.)

- a. The amount of data storage consumed
- b. Inbound data transfer
- c. The amount of data storage provisioned
- d. Provisioned IOPS
- e. Number of snapshots

44. Which AWS service uses a highly secure hardware storage device to store encryption keys?

- a. AWS CloudHSM
- b. AWS IAM
- c. AWS WAF
- d. Amazon Cloud Directory

45. What are two components of Amazon S3? (Select TWO.)

- a. Block devices
- b. File systems
- c. Directories
- d. Buckets
- e. Objects

46. Which of the below are components that can be configured in the VPC section of the AWS management console? (Select TWO.)

- a. Endpoints
- b. EBS volumes
- c. Elastic Load Balancer
- d. DNS records
- e. Subnet

47. Which of the following is a benefit of moving to the AWS Cloud?

- a. Pay for what you use
- b. Outsource all IT operations
- c. Long term commitments
- d. Capital purchases

48. To reduce the price of your Amazon EC2 instances, which term lengths are available for reserved instances? (Select TWO.)

- a. 5 years
- b. 3 years
- c. 1 year
- d. 2 years
- e. 4 years

49. Which statement is true in relation to data stored within an AWS Region?

- a. Data is always replicated to another region
- b. Data is automatically archived after 90 days
- c. Data is always automatically replicated to at least one other availability zone
- d. Data is not replicated outside of a region unless you configure it

50. What is the main benefit of the principle of “loose coupling”?

- a. Reduce interdependencies so a failure in one component does not cascade to other components
- b. Reduce operational complexity
- c. Automate the deployment of infrastructure using code
- d. Enables applications to scale automatically based on current demand

51. Which services can be used for asynchronous integration between application components? (Select TWO.)

- a. AWS CloudFormation
- b. Amazon Step Functions**
- c. AWS Route 53
- d. Amazon SQS**
- e. Amazon EC2 Auto Scaling

52. Which statement is correct in relation to the AWS Shared Responsibility Model?

- a. AWS are responsible for the security of regions and availability zones**
- b. Customers are responsible for patching storage systems
- c. Customers are responsible for security of the cloud
- d. AWS are responsible for encrypting customer data

53. What does an organization need to do in Amazon IAM to enable user access to services being launched in new region?

- a. Create new user accounts in the new region
- b. Enable global mode in IAM to provision the required access
- c. Nothing, IAM is global**
- d. Update the user accounts to allow access from another region

54. Which AWS service should be used to create a billing alarm?

- a. Amazon CloudWatch**
- b. AWS Trusted Advisor
- c. Amazon QuickSight
- d. AWS CloudTrai

55. Which of the following is an advantage of cloud computing compared to deploying your own infrastructure on-premise?

- a. Spend using a CAPEX model
- b. Paying only for what you use**
- c. Flexibility to choose your own hardware
- d. Ability to choose bespoke infrastructure configurations

56. Which service can be added to a database to provide improved performance for some requests?

- a. Amazon EFS
- b. Amazon ElastiCache**
- c. Amazon RedShift
- d. Amazon RDS

57. Which service can be used to improve performance for users around the world?

- a. Amazon Connect
- b. Amazon ElastiCache
- c. AWS LightSail
- d. **Amazon CloudFront**

58. A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- a. **Open a production system down support case**
- b. Open a business-critical system down support case
- c. Contact the dedicated Technical Account Manager
- d. Contact the dedicated AWS Concierge Support team

59. Which of the following are architectural best practices for the AWS Cloud? (Select TWO.)

- a. Create monolithic architectures
- b. Deploy into a single availability zone
- c. **Design for fault tolerance**
- d. **Deploy into multiple Availability Zones**
- e. Close coupling

60. Which of the following is an architectural best practice recommended by AWS?

- a. Think servers, not services
- b. Design for success
- c. Use manual operational processes
- d. **Design for failure**

61. Which team is available to support AWS customers on an Enterprise support plan with account issues?

- a. AWS Billing and Accounts
- b. **AWS Concierge**
- c. AWS Technical Account Manager
- d. AWS Technical Support

62. Which AWS service enables hybrid cloud storage between on-premises and the AWS Cloud?

- a. Amazon CloudFront
- b. Amazon S3 Cross Region Replication (CRR)
- c. Amazon Elastic File System (EFS)
- d. AWS Storage Gateway

63. Which AWS service lets you add user sign up, sign-in and access control to web and mobile apps?

- a. AWS CloudHSM
- b. AWS Artifact
- c. AWS Directory Service
- d. Amazon Cognito

64. Which of the following security related activities are AWS customers responsible for? (Select TWO.)

- a. Installing patches on Windows operating systems
- b. Implementing data center access controls
- c. Installing patches on network devices
- d. Implementing IAM password policies
- e. Secure disposal of faulty disk drives

65. Which of the below are good use cases for a specific Amazon EC2 pricing model? (Select TWO.)

- a. Reserved instances for applications with flexible start and end times
- b. Reserved instances for steady state predictable usage
- c. Spot for consistent load over a long term
- d. On-demand for ad-hoc requirements that cannot be interrupted
- e. On-demand for regulatory requirements that do not allow multi-tenant virtualization

THE END

1) Which type of Amazon RDS automated backup allows you to restore the database with a granularity of as little as 5 minutes?

- a) Snapshot backup
- b) Point-in-time recovery**
- c) Incremental backup
- d) Full backup

2)

What are two correct statements about AWS Organizations with consolidated billing? (Select TWO.)

- a) CloudTrail can be configured per organization
- b) Multiple bills are provided per organization
- c) Linked accounts lose their management independence
- d) One bill provided for multiple accounts**
- e) Volume pricing discounts applied across multiple accounts**

3) Which service can you use to monitor, store and access log files generated by EC2 instances and on-premises servers?

- a) AWS CloudTrail
- b) Aws OpsWorks
- c) Amazon Kinesis
- d) Amazon CloudWatch Logs**

4) Which AWS components aid in the construction of fault-tolerant applications? (Select TWO.)

- a) Block device mappings
- b) Elastic IP addresses**
- c) Tags
- d) ARNs
- e) AMIS

5) An Elastic IP Address can be remapped between EC2 instances across which boundaries?

- a) DB Subnets
- b) Regions
- c) Availability Zones
- d) Edge Locations

6) A company wants to utilize a pay as you go cloud model for all of their applications without CAPEX costs and which is highly elastic. Which cloud delivery model will suit them best?

- b) Public (Correct)
- c) Private
- d) On-premise
- e) Hybrid

7) What feature of Amazon S3 enables you to set rules to automatically transfer objects between different storage classes at defined time intervals?

- a) Elastic Data Management
- b) S3 Archiving
- c) Object Lifecycle Management
- d) Auto Lifecycle Scaling

How can a company connect from their on-premises network to VPCs in multiple regions using private connections?

- a) Inter-Region VPC Peering
- b) Amazon CloudFront
- c) AWS Direct Connect Gateway (Correct)
- d) AWS Managed VPN

9) Which of the following descriptions is incorrect in relation to the design of Availability Zones?

- a) Each AZ is designed as an independent failure zone
- b) AZs are physically separated within a typical metropolitan region and are located in lower risk flood plains
- c) Each subnet in a VPC is mapped to all AZs in the region
- d) AZs have direct, low-latency, high throughput and redundant network connections between each other

10) Which service is used introduce fault tolerance into an application architecture?

- A)Amazon CloudFront
- f) Amazon Elastic Load Balancing**
- g) Amazon DynamoDB
- h) Amazon ElastiCache

11) Which AWS service enables developers and data scientists to build, train, and deploy machine learning models?

- a) Amazon MQ
- b) Amazon Comprehend
- c) Amazon Rekognition
- d) Amazon SageMaker**

12) Which AWS feature of Amazon EC2 allows an administrator to create a standardized image that can be used for launching new instances?

- a) Amazon Golden Image
- b) Amazon EBS Mount Point
- c) Amazon Machine Image**
- d) Amazon Block Template

13) Which tools can you use to manage identities in IAM? (Select TWO.)

- a) AWS Management Console**
- b) Amazon Workspaces
- c) Amazon CloudWatch API
- d) EC2 Management Console
- e) AWS Command Line Tools**

14) A developer needs a way to automatically provision a collection of AWS resources.

Which AWS service is primarily used for deploying infrastructure as code?

- a) Jenkins
- b) AWS CodeDeploy
- c) AWS Elastic Beanstalk
- d) AWS CloudFormation**

15) With which service can a developer upload code using a ZIP or WAR file and have the service handle the end-to-end deployment of the resources?

- a. Aws CodeDeploy
- b. AWS CodeCommit
- c. AWS Elastic Beanstalk
- d. Amazon ECS

16) Which AWS services form the app-facing services of the AWS serverless infrastructure? (Select TWO.)

- a) AWS Lambda
- b) Amazon API Gateway
- c) Amazon EFS
- d) AWS Step Functions
- e)Amazon DynamoDB

17) Which AWS program can help an organization to design, build, and manage their workloads on AwS?

- a. APN Consulting Partners
- b. AWS Business Development Manager
- c. AWS Technical Account Manager
- d. APN Technology Consultants

18) A cloud practitioner needs to decrease application latency and increase performance for globally distributed users.

Which services can assist? (Select TWo.)

- a) Amazon AppStream 2.0
- b) Amazon S3
- c)Amazon CloudFront
- e)Amazon ElastiCache
- f)Amazon ECS

19) What offerings are included in the Amazon LightSail product set? (Select TWO.)

- a) NOSQL database
- b) Virtual Private Server
- c) Serverless functions
- d) Object storage
- e) Managed MySQL database

20) What is the name of the AWS managed Docker registry service used by the Amazon

Elastic Container Service (ECS)?

a) Elastic Container Registry

- a. ECS Container Registry
- b. Docker Container Registry
- c. Docker Image Repository

21)

Which service allows an organization to bring their own licensing on host hardware

that is physically isolated from other AWS accounts?

b) EC2 Reserved Instances

c) EC2 Dedicated Hosts (Correct)

d) EC2 Dedicated Instances

e) EC2 Spot Instances

22) Which AWS service can be used to prepare and load data for analytics using an extract, transform and load (ETL) process?

a. AWS Lambda

b. AWS Glue

c. Amazon Athena

d. Amazon EMR

23) Which of the following are advantages of using the Aws cloud computing over legacy IT? (Select Two.)

a. You don't need to worry about over provisioning as you can elastically scale

b) You are able to pass responsibility for the availability of your application to AWS

c) You can bring new applications to market faster

d) You can bring services closer to your end users

e) You don't need to patch your operating systems

24) Which service allows an organization to bring their own licensing on host hardware

that is physically isolated from other AWS accounts?

- a. EC2 Reserved Instances
- b. EC2 Dedicated Hosts (Correct)**
- c. EC2 Dedicated Instances
- d. EC2 Spot Instances

25) A company needs protection from distributed denial of service (DDOS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

- a. AWS Web Application Firewall
- b. Amazon GuardDuty
- c. AWS Shield Advanced**
- d. AWS Firewall Manager

26) Which AWS support plan provides email only support by Cloud Support Associates?

- a. Business
- b. Basic
- c. Enterprise
- d. Developer**

27) A company has deployed several relational databases on Amazon RDS. Every month,

the database software vendor releases new security patches that need to be applied

to the database.

What is the MOST efficient way to apply the security patches?

- a) Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor
- b) Enable automatic patching for the instances using the Amazon RDS console**
 - a. In AWS Config, configure a rule for the instances and the required patch level
 - b. Use AWS Systems Manager to automate database patching according to a
 - c) Schedule

28) Which service is used for caching data?

- a. AWS Key Management Service (KMS)
- b. Amazon Simple Queue Service (SQS)
- c. Amazon Elastic File System (EFS)
- d. Amazon DynamoDB DAX**

29) Under the AWS Shared Responsibility Model, which of the following is the customer

NOT responsible for?

- a. Adding firewall rules to security groups and network ACLS
- b. Applying encryption to data stored on an EBS volume
- c. **Installing firmware updates on host servers**
- d. Applying bucket policies to share Amazon S3 data

30) Which of the below is an example of optimizing for cost?

- a. Choosing the fastest EC2 instance to ensure performance
- b. **Replace an EC2 compute instance with AWS Lambda**
- c. Deploy resources with AWS CloudFormation
- d. Provision extra capacity to allow for growth

31)

An application that is deployed across multiple Availability Zones could be described as:

- a. **Being highly available**
- b. Having elasticity
- c. Having global reach
- d. Being secure

32) When designing a VPC, what is the purpose of an Internet Gateway?

- a. **Enables Internet communications for instances in public subnets**
- b. It's used for making VPN connections to a VPC
- c. It's a bastion host for inbound management connections
- d. Provides Internet access for EC2 instances in private subnets

33) Which AWS service can be used to send automated notifications to HTTP endpoints?

- a. **Amazon SNS**
- b. Amazon SWF
- c. Amazon SES
- d. Amazon SQS

34) Which service runs your application code only when needed without needing to run servers?

- a. Amazon EC2
- b. AWS LightSail
- c. Amazon ECS
- d. **AWS Lambda**

35) What information must be entered into the AWS TCO Calculator?

- a) The number of end users in your company
- b) The number of applications in your company
- c) The number of storage systems in your company
- d) **The number of servers in your company**

36) Which type of EBS volumes can be encrypted?

- a. Only root volumes can have encryption applied at launch time
- b. **Both non-root and root volumes**
- c. Non-root volumes only
- d. Only non-root volumes created from snapshots

37) Assuming you have configured them correctly, which AWS services can scale automatically without intervention? (Select TWO.)

- a) Amazon RDS
- b) Amazon EBS
- c) Amazon EC2
- d) **Amazon S3**
- e) **Amazon DynamoDB**

38) Which services allow you to store files on AWS? (Select TWO.)

- a) **Amazon EBS**
- b) Amazon LightSail
- c) AWS Lambda
- d) **Amazon EFS**
- e) Amazon SQS

39) What is an Edge location?

- a. A public endpoint for Amazon S3
- b. A virtual private gateway for VPN
- c. A VPC peering connection endpoint
- d. **A content delivery network (CDN) endpoint for CloudFront**

40) Which of the following statements is correct about Amazon S3 cross-region replication?

- a. Both source and destination S3 buckets must have versioning disabled.
- b. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account
- c. The source and destination S3 buckets cannot be in different AWS Regions
- d. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts

41) Which AWS service lets connected devices easily and securely interact with cloud applications and other devices?

- a. AWS Directory Service
- b. AWS IoT Core
- c. AWS Server Migration Service (SMS)
- d. Amazon Workspaces

42) Which AWS security service provides a firewall at the subnet level within a VPC?

- a. Bucket Policy
- b. IAM Policy
- c. Network Access Control List
- d. Security Group

43) Which of the following would be good reasons to move from on-premises to the

AWS Cloud? (Select TWO.)

- a) Improve agility and elasticity
- b) Gain access to free technical support services
- c) Reduce costs through easier right-sizing of workloads
- d) Gain end-to-end operational management of the entire infrastructure stack
- e) Outsource all security responsibility

44) What are the benefits of using IAM roles for applications that run on EC2 instances?

(Select TWO.)

- a) It is easier to manage IAM roles
- b) Can apply multiple roles to a single instance
- c) Role credentials are permanent
- d) More secure than storing access keys within applications
- e) Easier to configure than using storing access keys within the EC2 instance

45) What is the relationship between subnets and availability zones?

- a. Subnets span across multiple availability zones
- b. Subnets contain one or more availability zones
- c. You can create one or more subnets within each availability zone
(Correct)
- d. You can create one subnet per availability zone

46) What are the primary benefits of using AWS Elastic Load Balancing?
(Select TWO.)

- a. High availability
- b) Elasticity**
- c) Regional resilience
- d) Caching
- e) Automation

47) What charges are applicable to Amazon S3 Standard storage class?
(Select TWO.)

- a) Minimum capacity charge per object
- b) Per GB/month storage fee**
- c) Data ingress
- d) Data egress**
- e) Retrieval fee

48) How can you configure Amazon Route 53 to monitor the health and performance of your application?

- a. Using the Route 53 API
- b) Using Route 53 health checks**
- c. Using CloudWatch
- d. Using DNS lookups

49) Which AWS service can assist with providing recommended actions on cost optimization?

- a. AWS Trusted Advisor**
- b. Amazon CloudWatch Events
- c. AWS Artifact
- d. AWS Inspector

50) Which support plan is the lowest cost option that allows unlimited cases to be open?

- a. Enterprise
- b. Developer
- c. Basic
- d)Business

51) A user deploys an Amazon Aurora database instance in multiple Availability Zones.

This strategy involves which pillar of the AWS Well-Architected Framework?

- a) Security
- b) Reliability
- c) Performance efficiency
- d) Cost optimization

52) A Cloud Practitioner is developing a disaster recovery plan and intends to replicate

data between multiple geographic areas.

Which of the following meets these requirements?

- a)AWS Accounts
- b)Edge locations
- c)AWS Regions
- d)Availability Zones

53) Which of the following constitute the five pillars for the AWS Well-Architected Framework? (Select TWO.)

- a) Cost prioritization, and cost optimization
- b) Data consistency, and cost optimization
- c) Operational excellence, security, and reliability
- d) Operational excellence, elasticity and scalability
- e) Performance efficiency, and cost optimization

54) What is the name of the online, self-service portal that AWS provides to enable

customers to view reports and, such as PCI reports, and accept agreements?

- a. AWS Compliance Portal
- b. AWS Artifact
- c. AWS Documentation Portal
- d. AWS DocuFact

55) How can an online education company ensure their video courses play with minimal latency for their users around the world?

- a) Use Amazon Aurora Global Database
- b) Use Amazon CloudFront to get the content closer to users**
- c) Use Amazon EBS Cross Region Replication to get the content close to the users
- d) Use Amazon S3 Transfer Acceleration to speed up downloads

56) Which AWS service is part of the suite of "serverless" services and runs code as functions?

- a. AWS CodeCommit
- b. Amazon EKS
- c. AWS Lambda**
- d. Amazon ECS

57) What are two benefits of using AWS Lambda? (Select TWO.)

- a) Flexible operating system choices
- b) No servers to manage**
- c) Open source software
- d) Integrated snapshots
- e) Continuous scaling (scale out)**

58) Which AWS IAM best practice recommends applying the minimum permissions necessary to perform a task when creating IAM policies?

- a. Grant least privilege**
- b. Enable MFA for privileged users
- c. Create individual IAM users
- d. Use roles to delegate permissions

59) Which type of storage stores objects comprised of key, value pairs?

- a. Amazon DynamoDB
- b. Amazon EBS
- c. Amazon S3**
- d. Amazon EFS

60) Which service provides alerts and remediation guidance when AWS is experiencing events that may impact you?

- a. AWS Shield
- b. AWS Trusted Advisor
- c. AWS Personal Health Dashboard**
- d. AWS Inspector

61) Which of the following Amazon EC2 pricing models allows customers to use existing server-bound software licenses?

- a. Spot Instances
- b. Dedicated Hosts
- c. Reserved Instances
- d. On-Demand Instances

62) How can a company protect their Amazon S3 data from a regional disaster?

- a. Use Cross-Region Replication (CRR) to copy to another region
- b. Enable Multi-Factor Authentication (MFA) delete
- c. Use lifecycle actions to move to another S3 storage class
- d. Archive to Amazon Glacier

63) A Cloud Practitioner needs to rapidly deploy a popular IT solution and start using it immediately.

What should the Cloud Practitioner use?

- a. AWS Well-Architected Framework documentation
- b. AWS Elastic Beanstalk
- c. AWS Quick Start reference deployments
- d. Amazon CloudFront

64) To reward customers for using their services, what are two ways AWS reduce prices?

(Select TWO.)

- a) Reduction in inbound data transfer charges
- b) Discounts for using a wider variety of services
- c) Removal of termination fees for customers who spend more
- d) Volume based discounts when you use more services
- e) Reduced cost for reserved capacity

65) Which of the following must be used together to gain programmatic access to an

AWS account? (Select TWO.)

- a) A user ID
- b) An access key ID
- c) A secondary key
- d) A secret access key
- e) A primary key

1. Which of the following will help a user determine if they need to request an Amazon EC2 service limit increase?

 - A. AWS Cost Explorer
 - B. AWS Trusted Advisor
 - C. AWS Personal Health Dashboard
 - D. AWS Service Health Dashboard
2. A user needs to identify underutilized Amazon EC2 instances to reduce costs. Which AWS service or feature will meet this requirement?

 - A. AWS Personal Health Dashboard
 - B. AWS CodeBuild
 - C. AWS Cost Explorer
 - D. AWS Trusted Advisor
3. What is the best practice for managing AWS IAM access keys?

 - A. There is no need to manage access keys.
 - B. Never use access keys, always use IAM roles.
 - C. Customers should rotate access keys regularly.
 - D. AWS rotates access keys on a schedule.
4. Customers using AWS services must patch operating systems on which of the following services?

 - A. Amazon DynamoDB
 - B. Amazon EC2
 - C. AWS Lambda
 - D. AWS Fargate
5. According to the AWS shared responsibility model, which of the following is a responsibility of AWS?

 - A. Configuring network ACLs to block malicious attacks.
 - B. Updating security group rules to enable connectivity.
 - C. Updating the firmware on the underlying EC2 hosts.
 - D. Patching software running on Amazon EC2 instances.

- 6. What can a Cloud Practitioner use to categorize and track AWS costs by project?**
- A. Cost Allocation Tags
 - B. Consolidated billing
 - C. Multiple accounts
 - D. AWS Trusted Advisor
- 7. A user is planning to launch three EC2 instances behind a single Elastic Load Balancer. The deployment should be highly available.**
- A. Launch the instances in multiple AWS Regions, and use Elastic IP addresses.
 - B. Launch the instances across multiple Availability Zones in a single AWS Region.
 - C. Launch the instances as EC2 Spot Instances in the same AWS Region and the same Availability Zone.
 - D. Launch the instances as EC2 Reserved Instances in the same AWS Region, but in different Availability Zones.
- 8. Which type of credential should a Cloud Practitioner use for programmatic access to AWS resources from the AWS CLI/API?**
- A. Access keys
 - B. User name and password
 - C. SSL/TLS certificate
 - D. SSH public keys
- 9. A company is deploying an application on Amazon EC2 that requires low-latency access to application components in an on-premises data center. Which AWS service or resource can the company use to extend their existing VPC to the on-premises data center?**
- A. Amazon Workspaces
 - B. AWS Direct Connect
 - C. AWS Outposts
 - D. Amazon Connect
- 10. A company is deploying a MySQL database on AWS. The database must easily scale and have automatic backup enabled.**
Which AWS service should the company?
- A. Amazon Aurora
 - B. Amazon DocumentDB
 - C. Amazon Athena
 - D. Amazon DynamoDB

- 11. A company has many underutilized compute resources on-premises. Which AWS Cloud feature will help resolve this issue?**
- A. Global deployment
 - B. Fault tolerance
 - C. High availability
 - D. Elasticity**
- 12. Cloud Practitioner needs to monitor a new Amazon EC2 instances CPU and network utilization. Which AWS service should be used?**
- A. Amazon Inspector
 - B. AWS Systems Manager
 - C. Amazon CloudWatch**
 - D. AWS CloudTrail
- 13. A company plans to deploy a relational database on AWS. The IT department will perform database administration. Which service should the company use?**
- A. Amazon RedShift
 - B. Amazon ElastiCache
 - C. Amazon EC2**
 - D. Amazon DynamoDB
- 14. How much data can a company store in the Amazon S3 service?**
- A. 100 TB
 - B. Virtually unlimited**
 - C. 1 PB
 - D. 100 PB
- 15. What are AWS Identity and Access Management (IAM) access keys used for?**
- A. Enabling encryption in transit for web servers.
 - B. Ensuring the integrity of log files.
 - C. Making programmatic calls to AWS from AWS APIs.**
 - D. Logging in to the AWS Management Console.

- 16. A Cloud Practitioner requires point-in-time recovery (PITR) for an Amazon DynamoDB table. Who is responsible for configuring and performing backups?**
- A. AWS is responsible for configuring and the user is responsible for performing backups.
 - B. The customer is responsible for both tasks.
 - C. The customer is responsible for configuring and AWS is responsible for performing backups.
 - D. AWS is responsible for both tasks.
- 17. A customer needs to determine Total Cost of Ownership (TCO) for a workload that requires physical isolation. Which hosting model should be accounted for?**
- A. Spot Instances
 - B. Reserved Instances
 - C. On-Demand Instances
 - D. Dedicated Hosts
- 18. Which of the following AWS features or services can be used to provide root storage volumes for Amazon EC2 instances?**
- A. Amazon Machine Image
 - B. Amazon Elastic Block Store (EBS)
 - C. Amazon Simple Storage Service (S3)
 - D. Amazon Elastic File System (EFS)
- 19. What is one method of protecting against distributed denial of service (DDoS) attacks in the AWS Cloud?**
- A. Configure a firewall in front of resources.
 - B. Use Amazon CloudWatch monitoring.
 - C. Monitor the Service Health Dashboard.
 - D. Enable AWS CloudTrail logging.
- 20. Which of the following AWS services are compute services? (Select TWO.)**
- A. AWS Batch
 - B. AWS Elastic Beanstalk
 - C. Amazon EFS
 - D. Amazon Inspector
 - E. AWS CloudTrail

21. A company needs to publish messages to a thousands of subscribers simultaneously using a push mechanism.

- A. Which AWS service should the company use?
- B. Amazon Simple Workflow Service (SWF)
- C. Amazon Simple Queue Service (Amazon SQS)
- D. **Amazon Simple Notification Service (Amazon SNS)**
- E. AWS Step Functions

22. An application uses a PostgreSQL database running on a single Amazon EC2 instance.

A Cloud Practitioner has been asked to increase the availability of the database so there is automatic recovery in the case of a failure.

- A. Which tasks can the Cloud Practitioner take to meet this requirement?
- B. **Migrate the database to Amazon RDS and enable the Multi-AZ feature.**
- C. Configure an Elastic Load Balancer in front of the EC2 instance.
- D. Configure EC2 Auto Recovery to move the instance to another Region.
- E. Set the DeleteOnTermination value to false for the EBS root volume.

23. How does the AWS cloud increase the speed and agility of execution for customers? (Select TWO.)

- A. Secured data centers
- B. Private connections to data centers
- C. **Scalable compute capacity**
- D. **Fast provisioning of resources**
- E. Lower cost of deployment

24. A company is deploying a new web application in a single AWS Region that will be used by users globally.

Which AWS services will assist with lowering latency and improving transfer speeds for the global users? (Select TWO.)

- A. **AWS Global Accelerator**
- B. AWS Snowcone
- C. AWS Transfer Gateway
- D. AWS Direct Connect
- E. **Amazon CloudFront**

25. When running applications in the AWS Cloud, which common tasks can AWS manage on behalf of their customers? (Select TWO.)

- A. Creating a database schema
- B. Application source code auditing
- C. Application security testing
- D. Taking a backup of a database
- E. Patching database software

26. A company is deploying an application in the AWS Cloud. How can they secure the application? (Select TWO.)

- A. Configure public access for the AWS services used by the application.
- B. Limit access privileges according to the principle of least privilege.
- C. Enable encryption for the application data at rest.
- D. Enable monitoring by turning off encryption for data in transit.
- E. Provide full admin access to developer and operations staff.

27. Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO.)

- A. Customized hardware
- B. Loose coupling
- C. Minimum viable product
- D. Minimize platform design
- E. Remove single points of failure

28. Which AWS service can a team use to deploy infrastructure on AWS using familiar programming languages?

- A. Amazon CodeGuru
- B. AWS Cloud Development Kit (AWS CDK)
- C. AWS Config
- D. AWS CodeCommit

29. A company is designing a new service that must align with the operational excellence pillar of the AWS Well-Architected Framework.

Which design principles should the company follow? (Select TWO.)

- A. Create static operational procedures.
- B. **Anticipate failure.**
- C. Perform manual operations.
- D. **Perform operations as code.**
- E. Make large-scale changes.

30. A website has a global customer base and users have reported poor performance when connecting to the site.

Which AWS service will improve the customer experience by reducing latency?

- A. Amazon EC2 Auto Scaling
- B. AWS Direct Connect
- C. **Amazon CloudFront**
- D. Amazon ElastiCache

31. Which of the following are valid benefits of using the AWS Cloud? (Select TWO.)

- A. Total control over data center infrastructure.
- B. Outsource all application development to AWS.
- C. Outsource all operational risk.
- D. **Ability to go global quickly.**
- E. **Fast provisioning of IT resources.**

32. A company uses Amazon EC2 instances to run applications that are dedicated to different departments. The company needs to break out the costs of these applications and allocate them to the relevant department. The EC2 instances run in a single VPC.

How can the company achieve these requirements?

- A. Enable billing access for IAM users and view the costs in Cost Explorer.
- B. Enable billing alerts through Amazon CloudWatch and Amazon SNS.
- C. **Create tags by department on the instances and then run a cost allocation report.**
- D. Add additional Amazon VPCs and launch each application in a separate VPC.

33. Which of the following is a sole responsibility of AWS?

- A. Customer data access controls
- B. Patch management
- C. Availability Zone management
- D. Application deployment

34. Which AWS service can a company use to discover and protect sensitive data that is stored in Amazon S3 buckets.

- A. Amazon Detective
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Policy Generator

35. A company is planning to deploy an application with a relational database on AWS. The application layer requires access to the database instance's operating system in order to run scripts.

The company prefer to keep management overhead to a minimum. Which deployment should be used for the database?

- A. Amazon DynamoDB
- B. Amazon EC2
- C. Amazon S3
- D. Amazon RDS

36. A company is planning to move a number of legacy applications to the AWS Cloud. The solution must be cost-effective. Which approach should the company take?

- A. Migrate the applications to dedicated hosts on Amazon EC2.
- B. Rehost the applications on Amazon EC2 instances that are right-sized.
- C. Use an Amazon S3 static website to host the legacy application code.
- D. Use AWS Lambda to host the legacy applications in the cloud.

37. A company is launching a new website which is expected to have highly variable levels of traffic. The website will run on Amazon EC2 and must be highly available.

What is the MOST cost-effective approach?

- A. Create an Amazon EC2 Auto Scaling group and configure an Elastic Load Balancer.
- B. Determine the highest expected traffic and use an appropriate instance type.
- C. Launch the website using an Amazon EC2 instance running on a dedicated host.
- D. Use the AWS CLI to launch and terminate Amazon EC2 instances to match demand.

38. Which AWS Cloud service provides recommendations on how to optimize performance for AWS services?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. Amazon Inspector
- D. AWS CloudTrail

39. A company is migrating a monolithic application that does not scale well into the cloud and refactoring it into a microservices architecture.

Which best practice of the AWS Well-Architected Framework does this plan relate to?

- A. Implement loosely coupled services.
- B. Stop spending money on undifferentiated heavy lifting.
- C. Manage change in automation.
- D. Use multiple solutions to improve performance.

40. An individual IAM user must be granted access to an Amazon S3 bucket using a bucket policy. Which element in the S3 bucket policy should be updated to define the user account for which access will be granted?

- A. Resource
- B. Principal
- C. Action
- D. Condition

41. What advantages does a database administrator obtain by using the Amazon Relational Database Service (RDS)?

- A. RDS provides 99.999999999% reliability and durability.
- B. RDS simplifies relational database administration tasks.
- C. RDS databases automatically scale based on load.
- D. RDS enables users to dynamically adjust CPU and RAM resources.

42. A company runs a batch job on an Amazon EC2 instance and it takes 6 hours to complete. The workload is expected to double in volume each month with a proportional increase in processing time.

What is the most efficient cloud architecture to address the growing workload?

- A. Change the Amazon EC2 volume type to a Provisioned IOPS SSD volume.
- B. Run the batch workload in parallel across multiple Amazon EC2 instances.
- C. Run the batch job on a larger Amazon EC2 instance type with more CPU.
- D. Run the application on a bare metal Amazon EC2 instance.

43. Which AWS service provides a managed software version control system?

- A. Amazon CodeDeploy
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS DataSync

44. A company is deploying a new workload and software licensing requirements dictate that the workload must be run on a specific, physical server.

Which Amazon EC2 instance deployment option should be used?

- A. Spot Instances
- B. Reserved Instances
- C. Dedicated Hosts
- D. Dedicated Instances

45. For what purpose would a Cloud Practitioner access AWS Artifact?

- A. Gain access to AWS security and compliance documents.
- B. Access training materials for AWS services.
- C. Create a security assessment report for AWS services.
- D. Download configuration details for all AWS resources.

46. Which tasks require the use of the AWS account root user? (Select TWO.)

- A. Changing AWS Support plans.
- B. Viewing AWS CloudTrail logs.
- C. Changing the account name.
- D. Enabling encryption for S3.
- E. Changing payment currency.

- 47. A Cloud Practitioner needs a tool that can assist with viewing and managing AWS costs and usage over time. Which tool should the Cloud Practitioner use?**
- A. AWS Budgets
 - B. **AWS Cost Explorer**
 - C. Amazon Inspector
 - D. AWS Organizations
- 48. A Cloud Practitioner anticipates an increase in application traffic at a future date and time when a sales event will take place. How can the Cloud Practitioner configure Amazon EC2 Auto Scaling to ensure the right number of Amazon EC2 instances are available ahead of the event?**
- A. Configure predictive scaling.
 - B. Configure a target tracking scaling policy.
 - C. Configure a step scaling policy.
 - D. **Configure a scheduled scaling policy.**
- 49. A Cloud Practitioner is developing a new application and wishes to integrate features of AWS services directly into the application.
Which of the following is the BEST tool for this purpose?**
- A. AWS CodePipeline
 - B. AWS Command Line Interface (CLI)
 - C. **AWS Software Development Kit**
 - D. AWS CodeDeploy
- 50. A large company is interested in avoiding long-term contracts and moving from fixed costs to variable costs.
What is the value proposition of AWS for this company?**
- A. Volume pricing discounts
 - B. **Pay-as-you-go pricing**
 - C. Automated cost optimization
 - D. Economies of scale

51. A company has multiple AWS accounts and is using AWS Organizations with consolidated billing. Which advantages will they benefit from? (Select TWO.)

- A. They will receive a fixed discount for all usage across accounts.
- B. They may benefit from lower unit pricing for aggregated usage.
- C. The default service limits in all accounts will be increased.
- D. They will receive one bill for the accounts in the Organization.
- E. They will be automatically enrolled in a business support plan.

52. Which benefits can a company gain by deploying a relational database on Amazon RDS instead of Amazon EC2? (Select TWO.)

- A. Software patching
- B. Root access to OS
- C. Schema management
- D. Indexing of tables
- E. Automated backups

53. An Amazon Virtual Private Cloud (VPC) can include multiple:

- A. Availability Zones.
- B. Internet gateways.
- C. AWS Regions.
- D. Edge locations.

54. Which AWS services can a company use to gather information about activity in their AWS account? (Select TWO.)

- A. Amazon CloudFront
- B. Amazon Connect
- C. Amazon CloudWatch
- D. AWS Trusted Advisor
- E. AWS CloudTrail

55. A company must provide access to AWS resources for their employees. Which security practices should they follow? (Select TWO.)

- A. Create IAM users in different AWS Regions.
- B. Enable multi-factor authentication for users.
- C. Disable password policies and management console access.
- D. Create IAM policies based on least privilege principles.
- E. Create IAM Roles and apply them to IAM groups.

56. A company plans to use reserved instances to get discounted pricing for Amazon EC2 instances. The company may need to change the EC2 instance type during the one year period.

Which instance purchasing option is the MOST cost-effective for this use case?

- A. Standard Reserved Instances
- B. Regional Reserved Instances
- C. Zonal Reserved Instances
- D. Convertible Reserved Instances

57. Which AWS service or feature can assist with protecting a website that is hosted outside of AWS?

- A. Amazon VPC route tables
- B. AWS Web Application Firewall (WAF)
- C. Amazon EC2 security groups
- D. Amazon VPC network ACLs

58. AWS are able to continually reduce their pricing due to:

- A. Compute savings plans.
- B. Pay-as-you go pricing.
- C. Economies of scale.
- D. Elastic compute services.

59. Which resource should a new user on AWS use to get help with deploying popular technologies based on AWS best practices, including architecture and deployment instructions?

- A. AWS Config
- B. AWS Quick Starts
- C. AWS CloudFormation
- D. AWS Artifact

60. Which of the following can an AWS customer use to launch a new ElastiCache cluster? (Select TWO.)

- A. AWS CloudFormation
- B. AWS Data Pipeline
- C. AWS Management Console
- D. AWS Systems Manager
- E. AWS Concierge

61. Which of the following represents a value proposition for using the AWS Cloud?

- A. AWS provides full access to their data centers.
- B. Customers can request specialized hardware.
- C. It is not necessary to enter into long term contracts.
- D. AWS is responsible for securing your applications.

62. Which AWS feature can be used to launch a pre-configured Amazon Elastic Compute Cloud (EC2) instance?

- A. Amazon Machine Image (AMI)
- B. Amazon AppStream 2.0
- C. Amazon EC2 Systems Manager
- D. Amazon Elastic Block Store (EBS)

63. Which of the following deployments involves the reliability pillar of the AWS Well-Architected Framework?

- A. Attach a WebACL to a CloudFront distribution
- B. Use CloudFormation to deploy infrastructure
- C. Amazon RDS Multi-AZ deployment
- D. Amazon EBS provisioned IOPS volume

64. Which tasks can a user complete using the AWS Cost Management tools? (Select TWO.)

- A. Launch either EC2 Spot instances or On-Demand instances based on the current pricing.
- B. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- C. Break down AWS costs by day, service, and linked AWS account.
- D. Move data stored in Amazon S3 Standard to an archiving storage class to reduce cost.
- E. Automatically terminate AWS resources if budget thresholds are exceeded.

65. Which of the following statements best describes the concept of agility in relation to cloud computing on AWS? (Select TWO.)

- A. The ability to experiment quickly.
- B. The ability to automatically scale capacity.
- C. The speed at which AWS resources can be created.
- D. The speed at which AWS rolls out new features.
- E. The elimination of wasted capacity.