

Cpp

<https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/>

Question #42 Topic 1

Which of the following are features of network ACLs as they are used in the AWS Cloud? (Choose two.)

A. They are stateless. Most Voted

B. They are stateful.

C. They evaluate all rules before allowing traffic.

D. They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic. Most Voted

E. They operate at the instance level.

Hide Solution Discussion 23

**Correct Answer:** AD 

Community vote distribution

AD (96%)

Question #20 Topic 1

Which task requires using AWS account root user credentials?

A. Viewing billing information

B. Changing the AWS Support plan Most Voted

C. Starting and stopping Amazon EC2 instances

D. Opening an AWS Support case

Hide Solution Discussion 45

**Correct Answer:** B 

Community vote distribution

B (63%) A (38%)

### Question #23

Topic 1

Which of the following are components of an AWS Site-to-Site VPN connection? (Choose two.)

- A. AWS Storage Gateway
- B. Virtual private gateway **Most Voted**
- C. NAT gateway
- D. Customer gateway **Most Voted**
- E. Internet gateway

[Hide Solution](#)

[Discussion 25](#)

**Correct Answer:** BD 

*Community vote distribution*

[BD \(100%\)](#)

### Question #25

Topic 1

According to the AWS shared responsibility model, what responsibility does a customer have when using Amazon RDS to host a database?

- A. Manage connections to the database **Most Voted**
- B. Install Microsoft SQL Server
- C. Design encryption-at-rest strategies **Most Voted**
- D. Apply minor database patches

[Hide Solution](#)

[Discussion 93](#)

How does the AWS Cloud pricing model differ from the traditional on-premises storage pricing model?

- A. AWS resources do not incur costs
- B. There are no infrastructure operating costs **Most Voted**
- C. There are no upfront cost commitments **Most Voted**
- D. There are no software licensing costs

[Hide Solution](#)

 Discussion

132

**Correct Answer:** B 

*Community vote distribution*

C (56%)

B (43%)

### Question #31

*Topic 1*

A company has a single Amazon EC2 instance. The company wants to adopt a highly available architecture.

What can the company do to meet this requirement?

- A. Scale vertically to a larger EC2 instance size.
- B. Scale horizontally across multiple Availability Zones. **Most Voted**
- C. Purchase an EC2 Dedicated Instance.
- D. Change the EC2 instance family to a compute optimized instance.

### Question #32

*Topic 1*

A company's on-premises application deployment cycle was 3-4 weeks.

After migrating to the AWS Cloud, the company can deploy the application in 2-3 days.

Which benefit has this company experienced by moving to the AWS Cloud?

- A. Elasticity
- B. Flexibility
- C. Agility **Most Voted**
- D. Resilience

### Question #34

*Topic 1*

A global media company uses AWS Organizations to manage multiple AWS accounts.

Which AWS service or feature can the company use to limit the access to AWS services for member accounts?

- A. AWS Identity and Access Management (IAM)
- B. Service control policies (SCPs) **Most Voted**
- C. Organizational units (OUs)
- D. Access control lists (ACLs)

## Question #35

Topic 1

A company wants to limit its employees' AWS access to a portfolio of predefined AWS resources.

Which AWS solution should the company use to meet this requirement?

- A. AWS Config
- B. AWS software development kits (SDKs)
- C. AWS Service Catalog **Most Voted**
- D. AWS AppSync

## Question #44

Topic 1

Which AWS service or feature can be used to create a private connection between an on-premises workload and an AWS Cloud workload?

- A. Amazon Route 53
- B. Amazon Macie
- C. AWS Direct Connect **Most Voted**
- D. AWS PrivateLink

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**Correct Answer:** D 

*Community vote distribution*

C (82%) D (18%)

## Question #63

Topic 1

A company is launching an application in the AWS Cloud. The application will use Amazon S3 storage. A large team of researchers will have shared access to the data. The company must be able to recover data that is accidentally overwritten or deleted.

Which S3 feature should the company turn on to meet this requirement?

- A. Server access logging
- B. S3 Versioning **Most Voted**
- C. S3 Lifecycle rules
- D. Encryption in transit and at rest

[Hide Solution](#)

[Discussion](#) 11

**Question #64****Topic 1**

A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload to AWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency.

Which AWS service or feature should the company use to meet these requirements?

- A. Availability Zones
- B. AWS Local Zones **Most Voted**
- C. AWS Wavelength
- D. AWS Outposts **Most Voted**

[Hide Solution](#)[Discussion 133](#)**Correct Answer:** **B** *Community vote distribution* D (50%) B (46%)**Question #65****Topic 1**

A company wants to migrate its applications from its on-premises data center to a VPC in the AWS Cloud. These applications will need to access on-premises resources.

Which actions will meet these requirements? (Choose two.)

- A. Use AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Create a VPN connection between an on-premises device and a virtual private gateway in the VPC. **Most Voted**
- C. Use an Amazon CloudFront distribution and configure it to accelerate content delivery close to the on-premises resources.
- D. Set up an AWS Direct Connect connection between the on-premises data center and AWS. **Most Voted**
- E. Use Amazon CloudFront to restrict access to static web content provided through the on-premises web servers.

[Hide Solution](#)[Discussion 45](#)**Correct Answer:** **AD** *Community vote distribution* BD (87%) 7%

## Question #69

Topic 1

A company needs to install an application in a Docker container.  
Which AWS service eliminates the need to provision and manage the container hosts?

- A. AWS Fargate Most Voted
- B. Amazon FSx for Windows File Server
- C. Amazon Elastic Container Service (Amazon ECS) Most Voted
- D. Amazon EC2

[Hide Solution](#)

 Discussion 109

**Correct Answer:** C 

*Community vote distribution*

A (61%) C (39%)

## Question #70

Topic 1

Which AWS service or feature checks access policies and offers actionable recommendations to help users set secure and functional policies?

- A. AWS Systems Manager
- B. AWS IAM Access Analyzer Most Voted
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

[Hide Solution](#)

 Discussion 26

**Correct Answer:** B 

*Community vote distribution*

B (81%) C (19%)

## Question #72

Topic 1

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using 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 **Most Voted**

B. Amazon Elastic Block Store (Amazon EBS) **Most Voted**

C. Amazon Aurora **Most Voted**

D. Amazon DynamoDB **Most Voted**

E. Amazon Redshift

[Hide Solution](#)

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**Correct Answer:** AB 🎉

Reference:

<https://aws.amazon.com/rds/features/multi-az/#:~:text=Amazon%20Aurora%20further%20extends%20the,ways%2C%20across%20three%20Availability%20Zones>

## Question #73

Topic 1

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

A. Agility

B. Elasticity **Most Voted**

C. Reliability

D. Durability

[Hide Solution](#)

[Discussion](#) 11

**Correct Answer:** B 🎉

Community vote distribution

B (100%)

## Question #74

Topic

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

A. Availability Zones

B. AWS Regions

C. AWS Organizations **Most Voted**

D. Edge locations

[Hide Solution](#)

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**Question #76***Topic 1*

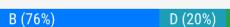
Which characteristics are advantages of using the AWS Cloud? (Choose two.)

- A. A 100% service level agreement (SLA) for all AWS services
- B. Compute capacity that is adjusted on demand **Most Voted**
- C. Availability of AWS Support for code development
- D. Enhanced security **Most Voted**
- E. Increases in cost and complexity

**Question #77***Topic 1*

A user is storing objects in Amazon S3. The user needs to restrict access to the objects to meet compliance obligations. What should the user do to meet this requirement?

- A. Use AWS Secrets Manager.
- B. Tag the objects in the S3 bucket. **Most Voted**
- C. Use security groups.
- D. Use network ACLs. **Most Voted**

**Hide Solution****Discussion 65****Correct Answer:** D *Community vote distribution***Question #79***Topic 1*

Which of the following are benefits of Amazon EC2 Auto Scaling? (Choose two.)

- A. Improved health and availability of applications **Most Voted**
- B. Reduced network latency
- C. Optimized performance and costs **Most Voted**
- D. Automated snapshots of data
- E. Cross-Region Replication

**Hide Solution****Discussion 46****Correct Answer:** AB *Community vote distribution*

### Question #87

Topic 1

Which AWS service or tool can be used to capture information about inbound and outbound traffic in an Amazon VPC?

A. VPC Flow Logs **Most Voted**

B. Amazon Inspector

C. VPC endpoint services

D. NAT gateway

[Hide Solution](#)

[Discussion 9](#)

**Correct Answer:** A 🎉

*Community vote distribution*

A (100%)

### Question #89

Topic 1

In which situations should a company create an IAM user instead of an IAM role? (Choose two.)

A. When an application that runs on Amazon EC2 instances requires access to other AWS services

B. When the company creates AWS access credentials for individuals **Most Voted**

C. When the company creates an application that runs on a mobile phone that makes requests to AWS

D. When the company needs to add users to IAM groups **Most Voted**

E. When users are authenticated in the corporate network and want to be able to use AWS without having to sign in a second time

### Question #99

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 **Most Voted**

B. Operational excellence

C. Performance efficiency

D. Cost optimization

[Hide Solution](#)

[Discussion 22](#)

**Question #103***Topic 1*

Which type of AWS storage is ephemeral and is deleted when an Amazon EC2 instance is stopped or terminated?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon EC2 instance store Most Voted**
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon S3

**Question #109***Topic 1*

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?

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

**Hide Solution****Discussion 79****Correct Answer:** D 

Reference:

<https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf>

(9)

**Question #114***Topic 1*

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI).

Which actions can a system administrator take to connect to the EC2 instance? (Choose two.)

- A. Use Amazon EC2 Instance Connect. Most Voted**
- B. Use a Remote Desktop Protocol (RDP) connection.
- C. Use AWS Batch
- D. Use AWS Systems Manager Session Manager. Most Voted**
- E. Use Amazon Connect

**Hide Solution****Discussion 35****Correct Answer:** AC 

Community vote distribution

AD (100%)

**Question #117***Topic 1*

A company is migrating to Amazon S3. The company needs to transfer 60 TB of data from an on-premises data center to AWS within 10 days. Which AWS service should the company use to accomplish this migration?

- A. Amazon S3 Glacier
- B. AWS Database Migration Service (AWS DMS)
- C. AWS Snowball **Most Voted**
- D. AWS Direct Connect

**Question #119***Topic 1*

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. **Most Voted**
- 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. **Most Voted**
- E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

**Hide Solution****Discussion 40****Correct Answer:** AC *Community vote distribution*

AD (98%)

**Question #124***Topic 1*

Which AWS services offer gateway VPC endpoints that can be used to avoid sending traffic over the internet? (Choose two.)

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Queue Service (Amazon SQS)
- C. AWS CodeBuild
- D. Amazon S3 **Most Voted**
- E. Amazon DynamoDB **Most Voted**

**Hide Solution****Discussion 25****Correct Answer:** BD *Community vote distribution*

DE (100%)

**Question #125***Topic 1*

Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

- A. Amazon FSx for Windows File Server
- B. Amazon WorkSpaces virtual Windows desktop
- C. AWS Directory Service for Microsoft Active Directory
- D. Amazon RDS for Microsoft SQL Server

**Question #126***Topic 1*

Who has the responsibility to patch the host operating system of an Amazon EC2 instance, according to the AWS shared responsibility model?

- A. Both AWS and the customer
- B. The customer only
- C. The EC2 hardware manufacturer
- D. AWS only **Most Voted**

**Hide Solution****Discussion** 80**Correct Answer:** B 🎉*Community vote distribution*

D (76%) B (24%)

**Question #128***Topic 1*

Why is an AWS Well-Architected review a critical part of the cloud design process?

- A. A Well-Architected review is mandatory before a workload can run on AWS.
- B. A Well-Architected review helps identify design gaps and helps evaluate design decisions and related documents. **Most Voted**
- C. A Well-Architected review is an audit mechanism that is a part of requirements for service level agreements.
- D. A Well-Architected review eliminates the need for ongoing auditing and compliance tests.

### Question #134

Topic 1

A company has a serverless application that includes an Amazon API Gateway API, an AWS Lambda function, and an Amazon DynamoDB database.

Which AWS service can the company use to trace user requests as they move through the application's components?

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

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**Correct Answer:** D 

*Community vote distribution*



### Question #138

Topic 1

Which of the following is a benefit of moving from an on-premises data center to the AWS Cloud?

- A. Compute instances can be launched and terminated as needed to optimize costs. Most Voted
- B. Compute costs can be viewed in the AWS Billing and Cost Management console.
- C. Users retain full administrative access to their compute instances.
- D. Users can optimize costs by permanently running enough instances at peak load.

### Question #132

Topic 1

What does the AWS Concierge Support team provide?

- A. A technical expert dedicated to the user
- B. A primary point of contact for AWS Billing and AWS Support Most Voted
- C. A partner to help provide scaling guidance for an event launch
- D. A dedicated AWS staff member who reviews the user's application architecture

[Hide Solution](#)

[Discussion](#) 28

**Correct Answer:** A 

*Community vote distribution*



**Question #197***Topic 1*

Which of the following are shared controls that apply to both AWS and the customer, according to the AWS shared responsibility model? (Choose two.)

- A. Resource configuration management **Most Voted**
- B. Network data integrity
- C. Employee awareness and training **Most Voted**
- D. Physical and environmental security
- E. Replacement and disposal of disk drives

**Question #192***Topic 1*

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 **Most Voted**

**Question #208***Topic 1*

An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud.

Which cost is the company's direct responsibility?

- A. Cost of application software licenses **Most Voted**
- B. Cost of the hardware infrastructure on AWS
- C. Cost of power for the AWS servers
- D. Cost of physical security for the AWS data center

**Question #219***Topic 1*

A company's IT team is managing MySQL database server clusters. The IT team has to patch the database and take backup snapshots of the data in the clusters.

The company wants to move this workload to AWS so that these tasks will be completed automatically.

What should the company do to meet these requirements?

- A. Deploy MySQL database server clusters on Amazon EC2 instances.
- B. Use Amazon RDS with a MySQL database. **Most Voted**
- C. Use an AWS CloudFormation template to deploy MySQL database servers on Amazon EC2 instances.
- D. Migrate all the MySQL database data to Amazon S3.

### Question #217

Topic 1

A company owns per-core software licenses.

Which Amazon EC2 instance purchasing option must the company use for this license type?

A. Reserved Instances

B. Dedicated Hosts **Most Voted**

C. Spot Instances

D. Dedicated Instances

[Hide Solution](#)

[Discussion 23](#)

**Correct Answer:** A 

*Community vote distribution*

B (87%)

13%

### Question #224

Topic 1

A company wants to forecast future costs and usage of AWS resources based on past consumption.

Which AWS service or tool will provide this forecast?

A. AWS Cost and Usage Report

B. Amazon Forecast

C. AWS Pricing Calculator

D. Cost Explorer **Most Voted**

### Question #226

Topic 1

Which AWS services are serverless? (Choose two.)

A. AWS Fargate **Most Voted**

B. Amazon Managed Streaming for Apache Kafka

C. Amazon EMR

D. Amazon S3 **Most Voted**

E. Amazon EC2

### Question #227

Topic 1

Which task is the responsibility of AWS, according to the AWS shared responsibility model?

A. Apply guest operating system patches to Amazon EC2 instances.

B. Provide monitoring of human resources information management (HRIM) systems.

C. Perform automated backups of Amazon RDS instances. **Most Voted**

D. Optimize the costs of running AWS services.

**Question #233***Topic 1*

A company wants its employees to have access to virtual desktop infrastructure to securely access company-provided desktops through the employees' personal devices.

Which AWS service should the company use to meet these requirements?

- A. Amazon AppStream 2.0
- B. AWS AppSync
- C. Amazon FSx for Windows File Server
- D. Amazon WorkSpaces **Most Voted**

**Question #235***Topic 1*

A user has been granted permission to change their own IAM user password.

Which AWS services can the user use to change the password? (Choose two.)

- A. AWS Command Line Interface (AWS CLI) **Most Voted**
- B. AWS Key Management Service (AWS KMS)
- C. AWS Management Console **Most Voted**
- D. AWS Resource Access Manager (AWS RAM)
- E. AWS Secrets Manager

**Question #239***Topic 1*

A company needs to generate reports for business intelligence and operational analytics on petabytes of semistructured and structured data. These reports are produced from standard SQL queries on data that is in an Amazon S3 data lake.

Which AWS service provides the ability to analyze this data?

- A. Amazon RDS
- B. Amazon Neptune
- C. Amazon DynamoDB
- D. Amazon Redshift **Most Voted**

**Question #241***Topic 1*

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 **Most Voted**
- D. One or more data centers with redundant power and networking

**Question #243***Topic 1*

What is a benefit of moving to the AWS Cloud in terms of improving time to market?

- A. Decreased deployment speed
- B. Increased application security
- C. Increased business agility **Most Voted**
- D. Increased backup capabilities

**Hide Solution****Discussion 6****Question #246***Topic 1*

A company has a complex AWS architecture. The company needs assistance from a dedicated technical professional who can suggest strategies regarding incidents, trade-offs, support, and risk management.

Which AWS Support plan will provide the required support?

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

**Question #248***Topic 1*

Which AWS services can use AWS WAF to protect against common web exploitations? (Choose two.)

- A. Amazon Route 53
- B. Amazon CloudFront **Most Voted**
- C. AWS Transfer Family
- D. AWS Site-to-Site VPN
- E. Amazon API Gateway **Most Voted**

**Question #252***Topic 1*

A company needs to report on events that involve the specific AWS services that the company uses.

Which AWS service or resource can the company use with Amazon CloudWatch to meet this requirement?

- A. Amazon Inspector
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor
- D. AWS CloudTrail logs **Most Voted**

**Question #253***Topic 1*

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 **Most Voted**
- C. AWS Abuse team
- D. AWS Support

**Question #256***Topic 1*

A company wants to set up an entire development and continuous delivery toolchain for coding, building, testing, and deploying code. Which AWS service will meet these requirements?

- A. Amazon CodeGuru
- B. AWS CodeStar **Most Voted**
- C. AWS CodeCommit
- D. AWS CodeDeploy

**Question #258***Topic 1*

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 **Most Voted**
- B. Amazon Route 53
- C. Amazon API Gateway
- D. Amazon Connect

**Hide Solution****Discussion** 8

Correct Answer: A

**Question #267***Topic 1*

What is a benefit of using AWS serverless computing?

- A. Application deployment and management are not required.
- B. Application security will be fully managed by AWS.
- C. Monitoring and logging are not needed.
- D. Management of infrastructure is offloaded to AWS.

A company is considering a migration from on premises to the AWS Cloud. The company's IT team needs to offload support of the workload. What should the IT team do to accomplish this goal?

- A. Use AWS Managed Services to provision, run, and support the company infrastructure. **Most Voted**
- B. Build hardware refreshes into the operational calendar to ensure availability.
- C. Use Amazon Elastic Container Service (Amazon ECS) on Amazon EC2 instances.
- D. Overprovision compute capacity for seasonal events and traffic spikes to prevent downtime.

A developer wants to deploy an application on a container-based service. The service must automatically provision and manage the backend instances. The service must provision only the necessary resources. Which AWS service will meet these requirements?

- A. Amazon EC2
- B. Amazon Lightsail
- C. Amazon Elastic Kubernetes Service (Amazon EKS) **Most Voted**
- D. AWS Fargate **Most Voted**

## Question #273

*Topic 1*

Which tasks require use of the AWS account root user? (Choose two.)

- A. Changing an AWS Support plan **Most Voted**
- 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 **Most Voted**

## Question #282

*Topic 1*

Who can create and manage access keys for an AWS account root user?

- A. The AWS account owner **Most Voted**
- B. An IAM user that has administrator permissions
- C. IAM users within a designated group
- D. An IAM user that has the required role

## Question #290

A company has a set of databases that are stored on premises. The company wants to bring its existing Microsoft SQL Server license to the company moves the databases to run on Amazon EC2 instances. Which EC2 instance purchasing option should the company use to meet these requirements?

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

## Question #291

*Topic 1*

Which of the following is a way to use Amazon EC2 Auto Scaling groups to scale capacity in the AWS Cloud?

- A. Scale the number of EC2 instances in or out automatically, based on demand. Most Voted
- B. Use serverless EC2 instances.
- C. Scale the size of EC2 instances up or down automatically, based on demand.
- D. Transfer unused CPU resources between EC2 instances.

## Question #295

Topic 1

A company wants to organize its users so that the company can grant permissions to the users as a group.

Which AWS service or tool can the company use to meet this requirement?

A. Security groups

B. AWS Identity and Access Management (IAM) Most Voted

C. Resource groups

D. AWS Security Hub

[Hide Solution](#)

 Discussion 11

## Question #313

Topic 1

Which AWS services provide high availability across multiple Availability Zones by default? (Choose two.)

A. Amazon EC2 Most Voted

B. Amazon Elastic Block Store (Amazon EBS)

C. Amazon Elastic File System (Amazon EFS) Most Voted

D. Amazon Redshift

E. Amazon S3 Most Voted Most Voted

## Question #314

Topic 1

A company needs to perform queries and interactively search and analyze log data.

Which AWS service or feature will meet this requirement?

A. Amazon EventBridge (Amazon CloudWatch Events)

B. Amazon CloudWatch anomaly detection

C. Amazon CloudWatch Logs Insights Most Voted

D. Amazon CloudWatch Logs streams

**Question #327***Topic 1*

A company recently created its first AWS account.

Which AWS services will require the use of a VPC? (Choose two.)

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Cognito
- D. Amazon DynamoDB
- E. Amazon EC2

**Question #345***Topic 1*

A company needs to perform data processing once a week that typically takes about 5 hours to complete.

Which AWS service should the company use for this workload?

- A. AWS Lambda
- B. Amazon EC2 **Most Voted**
- C. AWS CodeDeploy
- D. AWS Wavelength

**Hide Solution****Discussion 14****Correct Answer:** A *Community vote distribution*

B (86%)

14%

**Question #350***Topic 1*

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

- A. Design for fixed resources.
- B. Build scalable architectures.
- C. Use tightly coupled components.
- D. Use managed services when possible.
- E. Design for human interaction.

## Question #352

Topic 1

A user is a new AWS account owner who has no special access requirements.

What should this user do with the AWS account root user access keys?

- A. Share the keys with all relevant internal users so that those users can programmatically access AWS services.
- B. Post the keys on GitHub to provide development teams with access to AWS services.
- C. Use the keys for access, but do not share the keys with anyone. **Most Voted**
- D. Delete the keys and create IAM users. **Most Voted**

 Hide Solution

 Discussion 24

**Correct Answer:** B 

*Community vote distribution*



## Question #353

Topic 1

Which AWS service allows for file sharing between multiple Amazon EC2 instances?

- A. AWS Direct Connect
- B. AWS Snowball Edge
- C. AWS Backup
- D. Amazon Elastic File System (Amazon EFS)

 Hide Solution

 Discussion 2

**Correct Answer:** D 

*Community vote distribution*



## Question #368

Topic 1

What is the customer ALWAYS responsible for managing, according to the AWS shared responsibility model?

- A. Software licenses
- B. Networking
- C. Customer data
- D. Encryption keys

**Question #370***Topic 1*

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 **Most Voted**
- 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 procured when they are needed **Most Voted**

**Question #375***Topic 1*

A company is running a standard PostgreSQL database on premises. The company is migrating the database to the AWS Cloud and does not want to change the queries that access the database. The company must maximize the query performance.

Which AWS service will meet these requirements?

- A. Amazon RDS for PostgreSQL **Most Voted**
- B. Amazon Aurora PostgreSQL **Most Voted**
- C. Amazon DocumentDB (with MongoDB compatibility)
- D. Amazon DynamoDB

**Question #372***Topic 1*

A company wants to receive alerts when resources that are launched in the company's AWS account reach 80% of their service quotas.

Which AWS service should the company use to meet this requirement?

- A. AWS CloudTrail
- B. AWS Trusted Advisor **Most Voted**
- C. AWS Config
- D. Amazon Inspector

**Question #383***Topic 1*

What is the security best practice concerning sensitive data stored in Amazon S3?

- A. Enable cross-Region replication on the S3 bucket.
- B. Enable S3 server-side encryption on the S3 bucket. **Most Voted**
- C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

**Question #384***Topic 1*

An application requires a database that offers consistent performance and latency that can be measured in single-digit milliseconds.

Which AWS service meets these requirements?

A. Amazon DynamoDB **Most Voted**

B. Amazon RDS

C. Amazon Redshift

D. Amazon EMR

**Hide Solution****Discussion 4****Question #397***Topic 1*

A company is using Amazon EC2 instances.

Which tasks are the company's responsibility, according to the AWS shared responsibility model? (Choose two.)

A. Choose the initial root password of new Linux instances.

B. Identify which users can access the EC2 instances, and manage their permissions in the operating system. **Most Voted**

C. Apply the updates of the hypervisor where the EC2 instances are running.

D. Choose between a Wi-Fi connection and an Ethernet connection for the global internet access.

E. Identify and manage the users who are allowed to create or delete EC2 instances. **Most Voted**

**Question #419***Topic 1*

Which statement is an AWS Cloud best practice that focuses on the elasticity and agility of cloud computing?

A. Provision capacity based on past usage and theoretical peaks.

B. Dynamically 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.

**Hide Solution****Discussion 3****Correct Answer:** B 🎉*Community vote distribution*

B (100%)

Which fully managed AWS service assists with the creation, testing, and management of custom Amazon EC2 images?

- A. EC2 Image Builder **Most Voted**
- B. Amazon Machine Image (AMI)
- C. AWS Launch Wizard
- D. AWS Elastic Beanstalk

Which AWS service can a company use to perform complex analytical queries?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Redshift **Most Voted**
- D. Amazon ElastiCache

31/65



53:30

[Finish test](#)

★ Question 31:

AWS Web Application Firewall (WAF) offers protection from common web exploits at which layer?

- Layer 4 and 7
- Layer 3
- Layer 7
- Layer 4

### Question 1: **Incorrect**

Which AWS Support plan provides architectural guidance contextual to your specific use-cases?

**AWS Developer Support**

**AWS Enterprise Support** **(Incorrect)**

**AWS Business Support** **(Correct)**

**AWS Enterprise On-Ramp Support**

### Question 15: **Incorrect**

A company runs an application on a fleet of EC2 instances. The company wants to automate the traditional maintenance job of running timely assessments and checking for OS vulnerabilities. As a Cloud Practitioner, which service will you suggest for this use case?

**Amazon Inspector** **(Correct)**

**Amazon GuardDuty** **(Incorrect)**

**AWS Shield**

**Amazon Macie**

Question 17: **Incorrect**

Which AWS services can be used to facilitate organizational change management, part of the Reliability pillar of AWS Well-Architected Framework? (Select three)

**Amazon CloudWatch** (Correct)

**AWS CloudTrail** (Correct)

**AWS Trusted Advisor** (Incorrect)

**Amazon GuardDuty** (Incorrect)

**Amazon Inspector**

**AWS Config** (Correct)

Question 16: **Incorrect**

Which type of cloud computing does Amazon Elastic Compute Cloud (EC2) represent?

- Infrastructure as a Service (IaaS)** (Correct)
- Network as a Service (NaaS)**
- Software as a Service (SaaS)**
- Platform as a Service (PaaS)** (Incorrect)

Question 20: **Incorrect**

Which of the following AWS services has encryption enabled by default?

- AWS CloudTrail Logs** (Correct)
- Amazon Elastic Block Store (Amazon EBS)**
- Amazon Elastic File System (Amazon EFS)**
- Amazon Relational Database Service (Amazon RDS)** (Incorrect)

**Inherited Controls** – Controls which a customer fully inherits from AWS.

- Physical and Environmental controls

**Shared Controls** – Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services. Examples include:

- Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.
- Configuration Management – AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.
- Awareness & Training – AWS trains AWS employees, but a customer must train their own employees.

**Customer Specific** – Controls which are solely the responsibility of the customer based on the application they are deploying within AWS services. Examples include:

- Service and Communications Protection or Zone Security which may require a customer to route or zone data within specific security environments.

## Question 22: **Incorrect**

A company wants to move to AWS cloud and release new features with quick iterations by utilizing relevant AWS services whenever required. Which of the following characteristics of AWS Cloud does it want to leverage?



**Elasticity**

**(Incorrect)**



**Reliability**



**Agility**

**(Correct)**



**Scalability**

Question 22: **Incorrect**

A company wants to move to AWS cloud and release new features with quick iterations by utilizing relevant AWS services whenever required. Which of the following characteristics of AWS Cloud does it want to leverage?

**Elasticity** **(Incorrect)**

**Reliability**

**Agility** **(Correct)**

**Scalability**

Question 31: **Incorrect**

AWS Web Application Firewall (WAF) offers protection from common web exploits at which layer?

**Layer 4 and 7**

**Layer 3**

**Layer 7**

**(Correct)**

**Layer 4**

**(Incorrect)**

**Explanation**

Correct option:

**Layer 7**

AWS WAF is a web application firewall that lets you monitor the HTTP and HTTPS requests that are forwarded to an Amazon API Gateway API, Amazon CloudFront or an Application Load Balancer. HTTP and HTTPS requests are part of the Application layer, which is layer 7.

Incorrect options:

**Layer 3** - Layer 3 is the Network layer and this layer decides which physical path data will take when it moves on the network. AWS Shield offers protection at this layer. WAF does not offer protection at this layer.

**Layer 4** - Layer 4 is the Transport layer and this layer data transmission occurs using TCP or UDP protocols. AWS Shield offers protection at this layer. WAF does not offer protection at this layer.

Question 32: **Incorrect**

Which of the following AWS services support VPC Endpoint Gateway for a private connection from a VPC? (Select two)

**Amazon Elastic Compute Cloud (Amazon EC2)** (Incorrect)

**Amazon Simple Notification Service (SNS)**

**Amazon Simple Storage Service (Amazon S3)** (Correct)

**Amazon DynamoDB** (Correct)

**Amazon Simple Queue Service (SQS)**

that only Amazon S3 and Amazon DynamoDB support VPC gateway endpoint. All other services that support VPC Endpoints use a VPC interface endpoint (note that Amazon S3 supports the VPC interface endpoint as well).

#### Question 34: **Incorrect**

Which AWS Route 53 routing policy would you use to route traffic to multiple resources and also choose how much traffic is routed to each resource?

**Weighted routing**

(Correct)

**Simple routing**

**latency-based routing**

**Failover routing**

(Incorrect)

#### Question 35: **Incorrect**

A financial services company wants to ensure that its AWS account activity meets the governance, compliance and auditing norms. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

**Amazon CloudWatch**

**AWS CloudTrail**

(Correct)

**AWS Config**

**AWS Trusted Advisor**

(Incorrect)

You may see use-cases asking you to select one of CloudWatch vs CloudTrail vs Config. Just remember this thumb rule -

Think resource performance monitoring, events, and alerts; think CloudWatch.

Think account-specific activity and audit; think CloudTrail.

Think resource-specific change history, audit, and compliance; think Config.

### Question 37: **Incorrect**

A multi-national corporation wants to get expert professional advice on migrating to AWS and managing their applications on AWS Cloud. Which of the following entities would you recommend for this engagement?

**AWS Trusted Advisor**

**APN Technology Partner**

**APN Consulting Partner** **(Correct)**

**Concierge Support Team** **(Incorrect)**

### APN Partner Types

#### APN Consulting Partners

APN Consulting Partners are professional services firms that help customers of all types and sizes design, architect, build, migrate, and manage their workloads and applications on AWS, accelerating their journey to the cloud. APN Consulting Partners often implement Technology Partner solutions in addition to the professional services they offer.

APN Consulting Partners include system integrators, strategic consultancies, agencies, managed service providers, and value-added resellers.

[Learn more »](#)

#### APN Technology Partners

APN Technology Partners provide hardware, connectivity services, or software solutions that are either hosted on, or integrated with, the AWS Cloud. Technology Partner products are often delivered as components to broader AWS customer solutions and can be delivered globally by Consulting Partners through AWS Marketplace, bundled solutions, or directly from APN Technology Partners.

APN Technology Partners include original equipment manufacturers (OEMs), semiconductor manufacturers, network carriers, SaaS Providers, and independent software vendors (ISVs).

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#### Question 40: **Incorrect**

A research group wants to use EC2 instances to run a scientific computation application that has a fault tolerant architecture. The application needs high-performance hardware disks that provide fast I/O performance. As a Cloud Practitioner, which of the following storage options would you recommend as the MOST cost-effective solution?

- Instance Store** (Correct)
- Amazon Simple Storage Service (Amazon S3)**
- Amazon Elastic Block Store (EBS)**
- Amazon Elastic File System (Amazon EFS)** (Incorrect)

#### Question 41: **Correct**

A big data analytics company is moving its IT infrastructure from an on-premises data center to AWS Cloud. The company has some server-bound software licenses that it wants to use on AWS. As a Cloud Practitioner, which of the following EC2 instance types would you recommend to the company?

- Dedicated Host** (Correct)
- Reserved Instance (RI)**
- On-Demand Instance**
- Dedicated Instance**

### Question 42: **Incorrect**

Which of the following is a benefit of using AWS managed services such as Amazon Relational Database Service (Amazon RDS)?

- The customer needs to patch the underlying OS**
- There is no need to optimize database instance type and size** (Incorrect)
- The performance of AWS managed Amazon Relational Database Service (Amazon RDS) instance is better than a customer-managed database instance** (Correct)
- The customer needs to manage database backups**

Question 44: **Incorrect**

Which of the following AWS services support reservations to optimize costs? (Select three)

**AWS Lambda**

(Incorrect)

**Amazon DocumentDB**

**Amazon Simple Storage Service (Amazon S3)**

**Amazon Relational Database Service (Amazon RDS)**

(Correct)

**Amazon Elastic Compute Cloud (Amazon EC2)**

(Correct)

**Amazon DynamoDB**

(Correct)

Question 49: **Incorrect**

A unicorn startup is building an analytics application with support for a speech-based interface. The application will accept speech-based input from users and then convey results via speech. As a Cloud Practitioner, which solution would you recommend for the given use-case?

- Use Amazon Transcribe to convert speech to text for downstream analysis. Then use Amazon Polly to convey the text results via speech** (Correct)
- Use Amazon Translate to convert speech to text for downstream analysis. Then use Amazon Polly to convey the text results via speech** (Incorrect)
- Use Amazon Polly to convert speech to text for downstream analysis. Then use Amazon Transcribe to convey the text results via speech**
- Use Amazon Polly to convert speech to text for downstream analysis. Then use Amazon Translate to convey the text results via speech**

Question 58: **Incorrect**

Which option is a common stakeholder role for the AWS Cloud Adoption Framework (AWS CAF) platform perspective? (Select two)

<input checked="" type="checkbox"/> Chief Technology Officer (CTO)	(Correct)
<input type="checkbox"/> Chief Product Officer (CPO)	
<input type="checkbox"/> Engineer	(Correct)
<input checked="" type="checkbox"/> Chief Data Officer (CDO)	(Incorrect)
<input type="checkbox"/> Chief Information Officer (CIO)	

**Explanation**

Correct option:

**Engineer**

**Chief Technology Officer (CTO)**

The AWS Cloud Adoption Framework (AWS CAF) leverages AWS experience and best practices to help you digitally transform and accelerate your business outcomes through innovative use of AWS. AWS CAF identifies specific organizational capabilities that underpin successful cloud transformations. These capabilities provide best practice guidance that helps you improve your cloud readiness. AWS CAF groups its capabilities in six perspectives: Business, People, Governance, Platform, Security, and Operations.

The platform perspective focuses on accelerating the delivery of your cloud workloads via an enterprise-grade, scalable, hybrid cloud environment. It comprises seven capabilities shown in the following figure. Common stakeholders include Chief Technology Officer (CTO), technology leaders, architects, and engineers.

The AWS Cloud Adoption Framework (AWS CAF) platform perspective:

Question 63: **Incorrect**

A company wants to have control over creating and using its own keys for encryption on AWS services. Which of the following can be used for this use-case?

**AWS Secrets Manager**

(Incorrect)

**AWS owned key**

**AWS managed key**

**customer managed key (CMK)**

(Correct)

## **customer managed key (CMK)**

An AWS KMS key is a logical representation of a cryptographic key. A KMS key contains metadata, such as the key ID, key spec, key usage, creation date, description, and key state. Most importantly, it contains a reference to the key material that is used when you perform cryptographic operations with the KMS key.

The KMS keys that you create are customer managed keys. Customer managed keys are KMS keys in your AWS account that you create, own, and manage. You have full control over these KMS keys, including establishing and maintaining their key policies, IAM policies, and grants, enabling and disabling them, rotating their cryptographic material, adding tags, creating aliases that refer to the KMS keys, and scheduling the KMS keys for deletion.

Incorrect options:

**AWS Secrets Manager** - AWS Secrets Manager helps you protect secrets needed to access your applications, services, and IT resources. The service enables you to easily rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle. You cannot use AWS Secrets Manager for creating and using your own keys for encryption on AWS services.

**AWS managed key** - AWS managed keys are KMS keys in your account that are created, managed, and used on your behalf by an AWS service integrated with AWS KMS.

**AWS owned key** - AWS owned keys are a collection of KMS keys that an AWS service owns and manages for use in multiple AWS accounts. Although AWS owned keys are not in your AWS account, an AWS service can use an AWS owned key to protect the resources in your account.

## Question 5: **Incorrect**

Which of the following AWS services is essential for implementing security of resources in AWS Cloud?

**AWS Shield**

**AWS Web Application Firewall (AWS WAF)** (Incorrect)

**Amazon CloudWatch**

**AWS Identity and Access Management (IAM)** (Correct)

AWS Identity and Access Management (AWS IAM), Amazon CloudFront, Amazon Route 53 and AWS Web Application Firewall (AWS WAF) are some of the global services

## Question 10: **Incorrect**

AWS Compute Optimizer delivers recommendations for which of the following AWS resources? (Select two)

**Amazon Elastic File System (Amazon EFS), AWS Lambda functions**

**Amazon Elastic Compute Cloud (Amazon EC2) instances, Amazon Elastic File System (Amazon EFS)**

**Amazon Elastic Compute Cloud (Amazon EC2) instances, Amazon EC2 Auto Scaling groups** (Correct)

**Amazon Elastic Block Store (Amazon EBS), AWS Lambda functions** (Correct)

**AWS Lambda functions, Amazon Simple Storage Service (Amazon S3)** (Incorrect)

When you use AWS Shield Standard with Amazon CloudFront and Amazon Route 53, you receive comprehensive availability protection against all known infrastructure (Layer 3 and 4) attacks. at no additional charge

### Question 29: **Incorrect**

An e-commerce company wants to store data from a recommendation engine in a database. As a Cloud Practitioner, which AWS service would you recommend to provide this functionality with the LEAST operational overhead for any scale?

**Amazon Simple Storage Service (Amazon S3)**

**Amazon Relational Database Service (Amazon RDS)**

**Amazon Neptune** **(Incorrect)**

**Amazon DynamoDB** **(Correct)**

Which of the following AWS services can be used to prevent Distributed Denial-of-Service (DDoS) attack? (Select three)

**AWS Trusted Advisor**

**Amazon CloudFront with Amazon Route 53** (Correct)

**Amazon Inspector** (Incorrect)

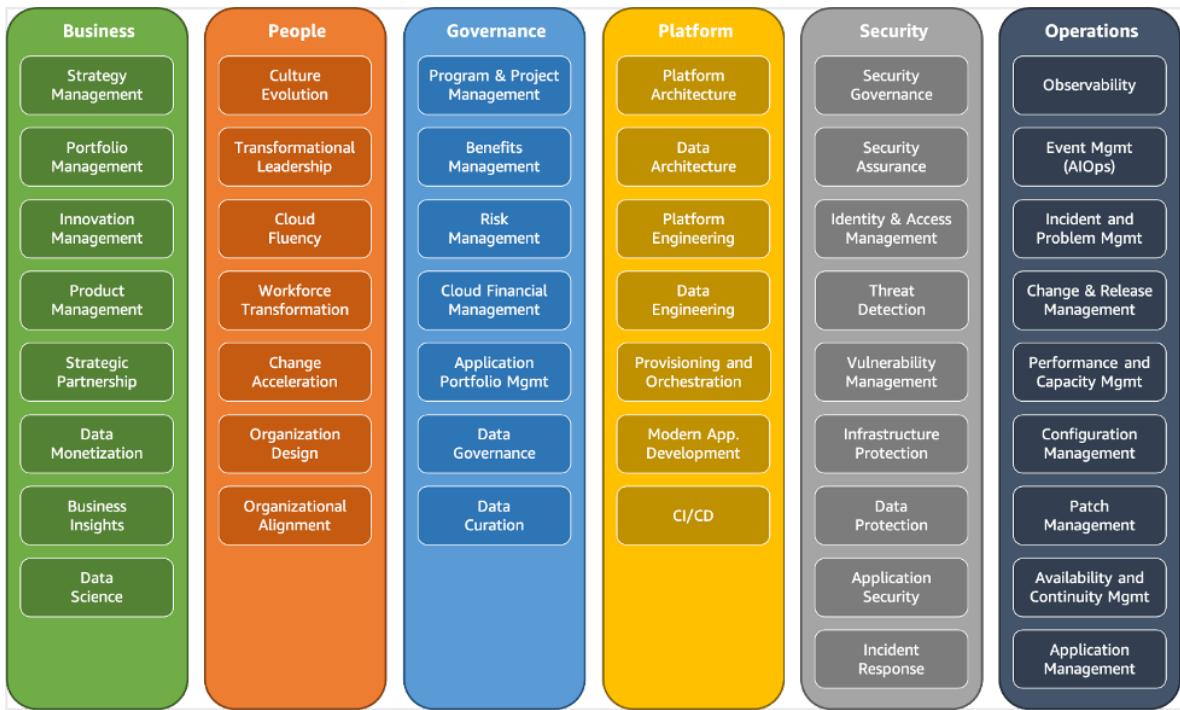
**AWS Web Application Firewall (AWS WAF)** (Correct)

**AWS CloudHSM**

**AWS Shield** (Correct)

💡 The AWS Cloud Adoption Framework (AWS CAF) leverages AWS experience and best practices to help you digitally transform and accelerate your business outcomes through innovative use of AWS

💡 AWS CAF groups its capabilities in six perspectives: Business, People, Governance, Platform, Security, and Operations. Each perspective comprises a set of capabilities that functionally related stakeholders own or manage in your cloud transformation journey.



### Question 3: **Incorrect**

What is the primary benefit of deploying an Amazon Relational Database Service (Amazon RDS) database in a Read Replica configuration?

**Read Replica improves database scalability** (Correct)

**Read Replica reduces database usage costs**

**Read Replica enhances database availability** (Incorrect)

**Read Replica protects the database from a regional failure**

- Amazon RDS Multi-AZ deployments provide enhanced availability and durability for RDS database (DB) instances
- Read Replicas are used for improved read performance. You can also place your read replica in a different AWS Region closer to your users for better performance. Read Replicas are an example of horizontal scaling of resources

### Question 5: **Incorrect**

Which of the following use cases is best suited for Amazon EFS Standard-Infrequent Access (EFS Standard-IA) storage class?

- Object storage for workloads that need sub-second latency speeds for accessing the data** (Incorrect)

- Storing data in a single AWS Availability Zone (AZ)**

- Storing files in an accessible location to satisfy audit requirements** (Correct)

- Use as boot volume for highly available Amazon Elastic Compute Cloud (Amazon EC2) instances**

### Question 7: **Incorrect**

Which of the following AWS services offer block-level storage? (Select two)

- Amazon Elastic File System (Amazon EFS)**

- Amazon Elastic Block Store (Amazon EBS)** (Correct)

- Amazon Elastic Container Service (Amazon ECS)**

- Amazon Simple Storage Service (Amazon S3)** (Incorrect)

- Instance Store** (Correct)

Question 9: **Incorrect**

Which of the following statements are CORRECT about the AWS Auto Scaling group? (Select two)

- Auto Scaling group scales in and reduces the number of Amazon EC2 instances to match a decrease in demand** (Correct)

- Auto Scaling group scales down and reduces the number of Amazon EC2 instances to match a decrease in demand** (Incorrect)

- Auto Scaling group scales down and downgrades to a less powerful Amazon EC2 instance to match a decrease in demand**

- Auto Scaling group scales out and adds more number of Amazon EC2 instances to match an increase in demand** (Correct)

- Auto Scaling group scales up and upgrades to a more powerful Amazon EC2 instance to match an increase in demand**

Question 10: **Incorrect**

An e-commerce company uses AWS Cloud and would like to receive separate invoices for development and production environments. As a Cloud Practitioner, which of the following solutions would you recommend for this use-case?

- Tag all resources in the AWS account as either **development** or **production**. Then use the tags to create separate invoices
- Create separate AWS accounts for development and production environments to receive separate **(Correct)** invoices
- Use AWS Cost Explorer to create separate invoices for development and production environments **(Incorrect)**
- Use AWS Organizations to create separate invoices for development and production environments

Question 11: **Incorrect**

An AWS hardware failure has impacted one of your Amazon Elastic Block Store (Amazon EBS) volumes. Which AWS service will alert you of the affected resources and provide a remedial action?

**Amazon GuardDuty**

**(Incorrect)**

**AWS Health Dashboard – Your account health**

**(Correct)**

**AWS Trusted Advisor**

**AWS Config**

Question 12: **Incorrect**

A company has a static website hosted on an Amazon Simple Storage Service (Amazon S3) bucket in an AWS Region in Asia. Although most of its users are in Asia, now it wants to drive growth globally. How can it improve the global performance of its static website?

- Use AWS Web Application Firewall (AWS WAF) to improve the performance of your website**
- Use Amazon S3 Transfer Acceleration (Amazon S3TA) to improve the performance of your website** (Incorrect)
- Use Amazon CloudFormation to improve the performance of your website**
- Use Amazon CloudFront to improve the performance of your website** (Correct)

Question 13: **Incorrect**

A customer is running a comparative study of pricing models of Amazon EFS and Amazon Elastic Block Store (Amazon EBS) that are used with the Amazon EC2 instances that host the application. Which of the following statements are correct regarding this use-case? (Select two)

**You will pay a fee each time you read from or write data stored on the Amazon Elastic File System (Amazon EFS) - Infrequent Access storage class** (Correct)

**Amazon Elastic Block Store (Amazon EBS) Snapshots are stored incrementally, which means you are billed only for the changed blocks stored** (Correct)

**Amazon Elastic Block Store (Amazon EBS) Snapshot storage pricing is based on the amount of space your data consumes in Amazon Elastic Block Store (Amazon EBS)**

**With AWS Backup, you pay only for the amount of Amazon Elastic File System (Amazon EFS) backup storage you use in a month, you need not pay for restoring this data**

**Amazon Elastic Compute Cloud (Amazon EC2) data transfer charges will apply for all Amazon Elastic Block Store (Amazon EBS) direct APIs for Snapshots** (Incorrect)

Question 20: **Incorrect**

Which of the following AWS entities provides the information required to launch an Amazon Elastic Compute Cloud (Amazon EC2) instance?

**Amazon Elastic File System (Amazon EFS)**

**Amazon Elastic Block Store (Amazon EBS)** **(Incorrect)**

**Amazon Machine Image (AMI)** **(Correct)**

**AWS Lambda**

Question 26: **Incorrect**

Which of the following AWS services specialize in data migration from on-premises to AWS Cloud? (Select two)

**AWS Direct Connect** **(Incorrect)**

**AWS Snowball** **(Correct)**

**AWS Site-to-Site VPN**

**AWS Transit Gateway** **(Incorrect)**

**AWS Database Migration Service (AWS DMS)** **(Correct)**

Question 28: **Incorrect**

AWS Identity and Access Management (AWS IAM) policies are written as JSON documents. Which of the following are mandatory elements of an IAM policy?

**Effect, Sid**

**Sid, Principal**

**Effect, Action**

**(Correct)**

**Action, Condition**

**(Incorrect)**

Question 29: **Incorrect**

An IT company is on a cost-optimization spree and wants to identify all Amazon Elastic Compute Cloud (Amazon EC2) instances that are underutilized. Which AWS services can be used off-the-shelf to address this use-case without needing any manual configurations? (Select two)

**AWS Cost Explorer**

**(Correct)**

**AWS Cost & Usage Report (AWS CUR)**

**AWS Trusted Advisor**

**(Correct)**

**AWS Budgets**

**Amazon CloudWatch**

**(Incorrect)**

Question 30: **Incorrect**

Amazon CloudWatch billing metric data is stored in which AWS Region?

- In the AWS Region where the AWS resource is provisioned** (Incorrect)

- In the AWS Region where the AWS account is created**

- US West (N. California) - us-west-1**

- US East (N. Virginia) - us-east-1** (Correct)

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77%

X Practice Test #3 - AWS Certified Cloud Practitioner

[monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](#)

Question 31: **Incorrect**

Which of the following is correct regarding the AWS Shield Advanced pricing?

- AWS Shield Advanced offers protection against higher fees that could result from a DDoS attack** (Correct)

- AWS Shield Advanced is a free service for all AWS Support plans**

- AWS Shield Advanced is a free service for AWS Business Support plan** (Incorrect)

- AWS Shield Advanced is a free service for AWS Enterprise Support plan**

Question 32: **Incorrect**

A cyber-security agency uses AWS Cloud and wants to carry out security assessments on its own AWS infrastructure without any prior approval from AWS. Which of the following describes/facilitates this practice?

**AWS Secrets Manager**

**Amazon Inspector**

**(Incorrect)**

**Penetration Testing**

**(Correct)**

**Network Stress Testing**

Question 34: **Incorrect**

Which AWS service will you use to privately connect your virtual private cloud (VPC) to Amazon Simple Storage Service (Amazon S3)?

**VPC Endpoint**

**(Correct)**

**AWS Transit Gateway**

**(Incorrect)**

**AWS Direct Connect**

**Amazon API Gateway**

Amazon S3 and Amazon DynamoDB support VPC gateway endpoint. All other services that support VPC Endpoints use a VPC interface endpoint (note that Amazon S3 supports the VPC interface endpoint as well).

Question 35: **Incorrect**

Which of the following AWS services have data encryption automatically enabled? (Select two)?

**Amazon Elastic Block Store (Amazon EBS)** (Incorrect)

**Amazon Redshift** (Incorrect)

**Amazon Elastic File System (Amazon EFS)**

**Amazon Simple Storage Service (Amazon S3)** (Correct)

**AWS Storage Gateway** (Correct)

**Explanation**

Correct option:

**Amazon Simple Storage Service (Amazon S3)**

All Amazon S3 buckets have encryption configured by default, and objects are automatically encrypted by using server-side encryption with Amazon S3 managed keys (SSE-S3). This encryption setting applies to all objects in your Amazon S3 buckets.

**AWS Storage Gateway**

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. All data transferred between the gateway and AWS storage is encrypted using SSL (for all three types of gateways - File, Volume and Tape Gateways).

Question 37: **Incorrect**

Which of the following statements is correct regarding the Amazon Elastic File System (Amazon EFS) storage service?

- EC2 instances can access files on an Amazon Elastic File System (Amazon EFS) file system across many Availability Zones (AZ) and VPCs but not across Regions** (Incorrect)
- EC2 instances can access files on an Amazon Elastic File System (Amazon EFS) file system across many Availability Zones (AZ) but not across VPCs and Regions**
- EC2 instances can access files on an Amazon Elastic File System (Amazon EFS) file system across many Availability Zones (AZ), Regions and VPCs** (Correct)
- EC2 instances can access files on an Amazon Elastic File System (Amazon EFS) file system only in one Availability Zone (AZ)**

Question 39: **Incorrect**

An IT company would like to move its IT resources (including any data and applications) from an AWS Region in the US to another AWS Region in Europe. Which of the following represents the correct solution for this use-case?

- The company should raise a ticket with AWS Support for this resource migration
- The company should just start creating new resources in the destination AWS Region and then migrate the relevant data and applications into this new AWS Region (Correct)
- The company should use AWS CloudFormation to move the resources (including any data and applications) from source AWS Region to destination AWS Region
- The company should use AWS Database Migration Service (AWS DMS) to move the resources (including any data and applications) from source AWS Region to destination AWS Region (Incorrect)

Question 42: **Incorrect**

Which of the following AWS services are regional in scope? (Select two)

- Amazon Rekognition (Correct)
- Amazon CloudFront (Incorrect)
- AWS Identity and Access Management (AWS IAM)
- AWS Lambda (Correct)
- AWS Web Application Firewall (AWS WAF)

Question 47: **incorrect**

Which budget types can be created under AWS Budgets (Select three)?

**Cost budget**

(Correct)

**Software budget**

**Usage budget**

(Correct)

**Resource budget**

(Incorrect)

**Reservation budget**

(Correct)

**Hardware budget**

Question 51: **Correct**

Which AWS services support High Availability by default? (Select two)

**Amazon DynamoDB**

(Correct)

**Amazon Elastic Block Store (Amazon EBS)**

**Instance Store**

**Amazon Redshift**

**Amazon Elastic File System (Amazon EFS)**

(Correct)

## X Practice Test #3 - AWS Certified Cloud Practitioner

The page can be accessed via the URL -

<https://health.aws.amazon.com/health/status>.

References:

<https://aws.amazon.com/premiumsupport/knowledge-center/>

<https://health.aws.amazon.com/health/status>

### Question 53: **Incorrect**

Which AWS service can be used for online analytical processing?

**Amazon Relational Database Service (Amazon RDS)**

**Amazon ElastiCache**

**Amazon DynamoDB** (Incorrect)

**Amazon Redshift** (Correct)

Question 57: **Incorrect**

Which of the following statements are true about Cost Allocation Tags in AWS Billing? (Select two)

**For each resource, each tag key must be unique, but can have multiple values**

**For each resource, each tag key must be unique, and each tag key can have only one value** (Correct)

**Only user-defined tags need to be activated before they can appear in Cost Explorer or on a cost allocation report**

**You must activate both AWS generated tags and user-defined tags separately before they can appear in Cost Explorer or on a cost allocation report** (Correct)

**Tags help in organizing resources and are a mandatory configuration item to run reports** (Incorrect)

Question 7: **Incorrect**

A cargo shipping company runs its server fleet on Amazon Elastic Compute Cloud (Amazon EC2) instances. Some of these instances host the CRM (Customer Relationship Management) applications that need to be accessible 24\*7. These applications are not mission-critical. In case of a disaster, these applications can be managed on a lesser number of instances for some time.

Which disaster recovery strategy is well-suited as well as cost-effective for this requirement?

**Multi-site active-active strategy** (Incorrect)

**Pilot Light strategy**

**Backup & Restore strategy**

**Warm Standby strategy** (Correct)

Question 65: **Correct**

A leading research firm needs to access information available in old patents and documents (such as PDFs, Text Files, Word documents, etc) present in its huge knowledge base. The firm is looking for a powerful search tool that can dig into these knowledge resources and return the most relevant files/documents. Which of the following is the correct service to address this requirement?

**Amazon Kendra** (Correct)

**Amazon Comprehend**

**Amazon Personalize**

**Amazon Lex**

## 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**

### AWS database schema conversion options

AWS offers two schema conversion solutions to make heterogeneous database migrations predictable, fast, secure, and simple. Customers have the choice to: 1) log in to the AWS Database Migration Service (AWS DMS) console to initiate the [AWS DMS Schema Conversion \(DMS SC\)](#) workflow for a fully managed experience or 2) download the [AWS Schema Conversion Tool \(AWS SCT\)](#) software to their local drive.

Both options will automatically assess and convert the source database schema and a majority of the database code objects, including views, stored procedures, and functions, to a format compatible with the target database. Any objects that cannot be automatically converted are clearly marked as action items with prescriptive instructions on how to convert, so that they can be manually converted to complete the migration.

AWS SCT can also scan your application source codes for embedded SQL statements and convert them as part of a database-schema-conversion project. During this process, AWS SCT performs cloud-native code optimization by converting legacy Oracle and SQL Server functions to their equivalent AWS service, helping to modernize the applications at the same time of database migration. Once schema conversion is complete, it can help migrate data from a range of data warehouses to Amazon Redshift using built-in data migration agents.

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

## 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

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**

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

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

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- E. Amazon S3 copyrighted content detection

Which AWS managed service is used to host databases?

- A. AWS Batch
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon RDS**

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

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

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

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

Which of the following is a benefit of using the AWS Cloud?

- 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.

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

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

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

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

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

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

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.

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

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

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

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.

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**

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.

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)

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.

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

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**

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**

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.**

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)

How does AWS shorten the time to provision IT resources?

- 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.

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

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

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

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)

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

- A. Amazon Aurora Backtrack
- B. Amazon CloudWatch Billing Alarms
- C. AWS Simple Monthly Calculator**
- D. AWS Cost and Usage report

# Hypervisor

[PDF](#)

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Amazon EC2 currently utilizes a highly customized version of the Xen hypervisor, taking advantage of paravirtualization (in the case of Linux guests). Because para-virtualized guests rely on the hypervisor to provide support for operations that normally require privileged access, the guest OS has no elevated access to the CPU. The CPU provides four separate privilege modes: 0-3, called rings. Ring 0 is the most privileged and 3 the least. The host OS executes in Ring 0. However, rather than executing in Ring 0 as most operating systems do, the guest OS runs in a lesser-privileged Ring 1 and applications in the least privileged Ring 3. This explicit virtualization of the physical resources leads to a clear separation between guest and hypervisor, resulting in additional security separation between the two.

Traditionally, hypervisors protect the physical hardware and bios, virtualize the CPU, storage, networking, and provide a rich set of management capabilities. With the Nitro System, we are able to break apart those functions, offload them to dedicated hardware and software, and reduce costs by delivering all of the resources of a server to your instances.

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

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.

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**

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

According to the AWS shared responsibility model, what is the sole responsibility of AWS?

- A. Application security
- B. Edge location management**
- C. Patch management
- D. Client-side data

Which AWS IAM feature is used to associate a set of permissions with multiple users?

- A. Multi-factor authentication
- B. Groups**
- C. Password policies
- D. Access keys

Which of the following can a customer use to enable single sign-on (SSO) to the AWS Console?

- A. Amazon Connect
- B. AWS Directory Service**
- C. Amazon Pinpoint
- D. Amazon Rekognition

What are the multiple, isolated locations within an AWS Region that are connected by low-latency networks called?

- A. AWS Direct Connects
- B. Amazon VPCs
- C. Edge locations`
- D. Availability Zones**

Which of the following benefits does the AWS Compliance program provide to AWS customers? (Choose two.)

- A. It verifies that hosted workloads are automatically compliant with the controls of supported compliance frameworks.**
- B. AWS is responsible for the maintenance of common compliance framework documentation.**
- C. It assures customers that AWS is maintaining physical security and data protection.
- D. It ensures the use of compliance frameworks that are being used by other cloud providers.
- E. It will adopt new compliance frameworks as they become relevant to customer workloads.

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

- A. Software development
- B. Project management
- C. Storage hardware**
- D. Physical servers**
- E. Antivirus software license

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

Which scenarios represent the concept of elasticity on AWS? (Choose 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.

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When is it beneficial for a company to use a Spot Instance?

- A. When there is flexibility in when an application needs to run.**
- B. When there are mission-critical workloads.
- C. When dedicated capacity is needed.
- D. When an instance should not be stopped.

What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon EC2) instance security?

- A. Act as a virtual firewall for the Amazon EC2 instance.**
- B. Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
- C. Provide DDoS protection with AWS Shield.
- D. Use Amazon CloudFront to protect the Amazon EC2 instance.

Which disaster recovery scenario offers the lowest probability of down time?

- A. Backup and restore
- B. Pilot light
- C. Warm standby
- D. Multi-site active-active**

What will help a company perform a cost benefit analysis of migrating to the AWS Cloud?

- A. Cost Explorer
- B. AWS Total Cost of Ownership (TCO) Calculator**
- C. AWS Simple Monthly Calculator
- D. AWS Trusted Advisor

Which of the following provides the ability to share the cost benefits of Reserved Instances across AWS accounts?

- A. AWS Cost Explorer between AWS accounts
- B. Linked accounts and consolidated billing**
- C. Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report
- D. Amazon EC2 Instance Usage Report between AWS accounts

Which of the following deployment models enables customers to fully trade their capital IT expenses for operational expenses?

- A. On-premises
- B. Hybrid
- C. Cloud**
- D. Platform as a service

How is asset management on AWS easier than asset management in a physical data center?

- A. AWS provides a Configuration Management Database that users can maintain.
- B. AWS performs infrastructure discovery scans on the customer's behalf.**
- C. Amazon EC2 automatically generates an asset report and places it in the customer's specified Amazon S3 bucket.
- D. Users can gather asset metadata reliably with a few API calls.

What feature of Amazon RDS helps to create globally redundant databases?

- A. Snapshots
- B. Automatic patching and updating
- C. Cross-Region read replicas**
- D. Provisioned IOPS

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.

Under the AWS shared responsibility model, customer responsibilities include which one of the following?

- A. Securing the hardware, software, facilities, and networks that run all products and services.
- B. Providing certificates, reports, and other documentation directly to AWS customers under NDA.
- C. Configuring the operating system, network, and firewall.**
- D. Obtaining industry certifications and independent third-party attestations.

Which managed AWS service provides real-time guidance on AWS security best practices?

- A. AWS X-Ray
- B. AWS Trusted Advisor**
- C. Amazon CloudWatch
- D. AWS Systems Manager

Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling**

Under the AWS shared responsibility model, customers are responsible for which aspects of security in the cloud? (Choose two.)

- A. Visualization management
- B. Hardware management
- C. Encryption management**
- D. Facilities management
- E. Firewall management**

What is a responsibility of AWS in the shared responsibility model?

- A. Updating the network ACLs to block traffic to vulnerable ports.**
- B. Patching operating systems running on Amazon EC2 instances.
- C. Updating the firmware on the underlying EC2 hosts.**
- D. Updating the security group rules to block traffic to the vulnerable ports.

Which architectural principle is used when deploying an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode?

- A. Implement loose coupling.
- B. Design for failure.**
- C. Automate everything that can be automated.
- D. Use services, not servers.

What does it mean to grant least privilege to AWS IAM users?

- 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.**

What is a benefit of loose coupling as a principle of cloud architecture design?

- A. It facilitates low-latency request handling.
- B. It allows applications to have dependent workflows.
- C. It prevents cascading failures between different components.**
- D. It allows companies to focus on their physical data center operations.

A director has been tasked with investigating hybrid cloud architecture. The company currently accesses AWS over the public internet.

- Which service will facilitate private hybrid connectivity?
- A. Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway
  - B. AWS Direct Connect**
  - C. Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
  - D. AWS Web Application Firewall (AWS WAF)

Which mechanism allows developers to access AWS services from application code?

- A. AWS Software Development Kit**
- B. AWS Management Console
- C. AWS CodePipeline
- D. AWS Config

Which Amazon EC2 pricing model is the **MOST cost efficient** for an **uninterruptible** workload that runs **once a year** for 24 hours?

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

Which of the following services is a **MySQL-compatible** database that **automatically grows** storage as needed?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. Amazon Relational Database Service (Amazon RDS) for MySQL
- C. Amazon Lightsail
- D. Amazon Aurora**

Which Amazon Virtual Private Cloud (Amazon VPC) feature enables users to **connect two VPCs** together?

- A. Amazon VPC endpoints
- B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- C. Amazon VPC peering**
- D. AWS Direct Connect

A company is considering migrating its applications to AWS. The company wants to **compare the cost** of running the workload on-premises to running the equivalent workload on the AWS platform.

Which tool can be used to perform this **comparison**?

- A. AWS Simple Monthly Calculator
- B. AWS Total Cost of Ownership (TCO) Calculator**
- C. AWS Billing and Cost Management console
- D. Cost Explorer

Which AWS service provides a secure, fast, and cost-effective way to migrate or transport **exabyte-scale** datasets into AWS?

- A. AWS Batch
- B. AWS Snowball
- C. AWS Migration Hub
- D. AWS Snowmobile**

Which of the following BEST describe the AWS ***pricing model***? (Choose two.)

A. Fixed-term

**B. Pay-as-you-go**

C. Colocation

D. Planned

**E. Variable cost**

Why should a company choose AWS instead of a traditional data center?

A. AWS provides users with full control over the underlying resources.

**B. AWS does not require long-term contracts and provides a pay-as-you-go model.**

C. AWS offers edge locations in every country, supporting global reach.

D. AWS has no limits on the number of resources that can be created.

Which solution provides the **FASTEST** application **response times** to frequently accessed data to users in **multiple AWS Regions**?

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

What **exclusive** benefit is provided to users with Enterprise Support?

A. Access to a Technical Project Manager

**B. Access to a Technical Account Manager**

C. Access to a Cloud Support Engineer

D. Access to a Solutions Architect

How can a user protect against AWS service disruptions if a natural disaster affects an entire geographic area?

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.

How does AWS MOST effectively reduce computing costs for a growing start-up company?

**A. It provides on-demand resources for peak usage.**

B. It automates the provisioning of individual developer environments.

C. It automates customer relationship management.

D. It implements a fixed monthly computing budget.

A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future.

Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

A. Elasticity

B. Reliability

C. Performance

**D. Agility**

Which AWS Support plan provides a full set of AWS Trusted Advisor checks?

- A. Business and Developer Support
- B. Business and Basic Support
- C. Enterprise and Developer Support

**D. Enterprise and Business Support**

Which of the following services have Distributed Denial of Service (DDoS) mitigation features? (Choose two.)

- A. AWS WAF**
- B. Amazon DynamoDB
- C. Amazon EC2
- D. Amazon CloudFront**
- E. Amazon Inspector

When building a cloud Total Cost of Ownership (TCO) model, which cost elements should be considered for workloads running on AWS? (Choose three.)

- A. Compute costs**
- B. Facilities costs
- C. Storage costs**
- D. Data transfer costs
- E. Network infrastructure costs**
- F. Hardware lifecycle cost

What time-savings advantage is offered with the use of Amazon Rekognition?

- 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.

When comparing AWS with on-premises Total Cost of Ownership (TCO), what costs are included?

**A. Data center security**

- B. Business analysis
- C. Project management
- D. Operating system administration

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**

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

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

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

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