



# Amazon-Web-Services

## Exam Questions CLF-C02

AWS Certified Cloud Practitioner

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### NEW QUESTION 1

- (Exam Topic 1)

Which of the following are aspects of the AWS shared responsibility model? (Select TWO.)

- A. Configuration management of infrastructure devices is the customer's responsibility.
- B. For Amazon S3, AWS operates the infrastructure layer, the operating systems, and the platforms.
- C. AWS is responsible for protecting the physical cloud infrastructure.
- D. AWS is responsible for training the customer's employees on AWS products and services.
- E. For Amazon EC2, AWS is responsible for maintaining the guest operating system.

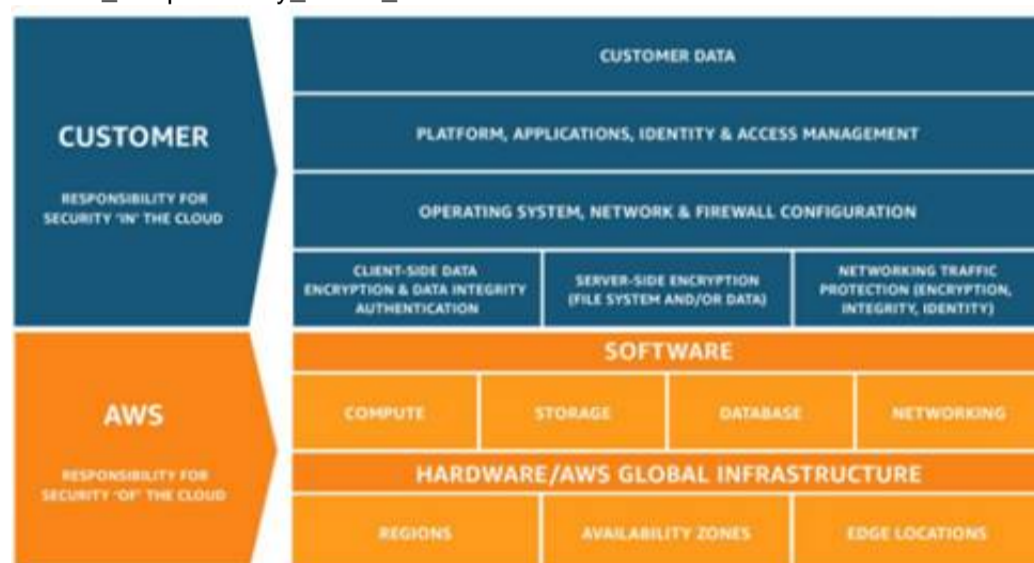
**Answer: AC**

#### Explanation:

AWS responsibility "Security of the Cloud" - AWS is responsible for protecting the infrastructure that runs all of the services offered in the AWS Cloud. This infrastructure is composed of the hardware, software, networking, and facilities that run AWS Cloud services.

Customer responsibility "Security in the Cloud" – Customer responsibility will be determined by the AWS Cloud services that a customer selects. This determines the amount of configuration work the customer must perform as part of their security responsibilities. For example, a service such as Amazon Elastic Compute Cloud (Amazon EC2) is categorized as Infrastructure as a Service (IaaS) and, as such, requires the customer to perform all of the necessary security configuration and management tasks. Customers that deploy an Amazon EC2 instance are responsible for management of the guest operating system (including updates and security patches), any application software or utilities installed by the customer on the instances, and the configuration of the AWS-provided firewall (called a security group) on each instance. For abstracted services, such as Amazon S3 and Amazon DynamoDB, AWS operates the infrastructure layer, the operating system, and platforms, and customers access the endpoints to store and retrieve data. Customers are responsible for managing their data (including encryption options), classifying their assets, and using IAM tools to apply the appropriate permissions.

Shared\_Responsibility\_Model\_V2



### NEW QUESTION 2

- (Exam Topic 1)

Which databases are available on Amazon RDS? (Select TWO.)

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

**Answer: BE**

### NEW QUESTION 3

- (Exam Topic 1)

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

**Answer: D**

### NEW QUESTION 4

- (Exam Topic 1)

A company wants to improve the overall availability and performance of its applications that are hosted on AWS. Which AWS service should the company use?

- A. Amazon Connect
- B. Amazon Lightsail
- C. AWS Global Accelerator
- D. AWS Storage Gateway

**Answer: C**

#### NEW QUESTION 5

- (Exam Topic 1)

A company wants to migrate its on-premises Microsoft SQL Server database server to the AWS Cloud. The company has decided to use Amazon EC2 instances to run this database.

Which of the following is the company responsible for managing, according to the AWS shared responsibility model?

- A. EC2 hypervisor
- B. Security patching of the guest operating system
- C. Network connectivity of the host server
- D. Uptime service level agreement (SLA) for the EC2 instances

**Answer: B**

#### NEW QUESTION 6

- (Exam Topic 1)

Which tasks are responsibilities of AWS, according to the AWS shared responsibility model? (Select TWO.)

- A. Encrypt client-side data and authenticate data integrity.
- B. Manage customer data.
- C. Perform identity and access management.
- D. Provide physical security for Availability Zones.
- E. Patch the operating system of Amazon S3

**Answer: AD**

#### NEW QUESTION 7

- (Exam Topic 1)

A company plans to launch an application that will run in multiple locations within the United States. The company needs to identify the two AWS Regions where the application can operate at the lowest price. Which AWS service or feature should the company use to determine the Regions that offer the lowest price?

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

**Answer: C**

#### Explanation:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

#### NEW QUESTION 8

- (Exam Topic 1)

Which tasks require use of the AWS account root user? (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

**Answer: AE**

#### NEW QUESTION 9

- (Exam Topic 1)

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. AWS Cloud Trail logs

**Answer: B**

#### NEW QUESTION 10

- (Exam Topic 1)

A company is running an Amazon EC2 instance in a VPC.

Which of the following can the company use to route and filter incoming network requests for the EC2 instance?

- A. Route tables and web application firewalls
- B. Security groups and route tables
- C. Security groups and a network intrusion system
- D. Route tables and AWS Shield

**Answer: B**

#### NEW QUESTION 10

- (Exam 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

**Answer: C**

#### NEW QUESTION 14

- (Exam Topic 1)

A company needs to run an application on Amazon EC2 instances. The instances cannot be interrupted at any time. The company needs an instance purchasing option that requires no long-term commitment or upfront payment. Which instance purchasing option will meet these requirements MOST cost-effectively?

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

**Answer: A**

#### NEW QUESTION 19

- (Exam Topic 1)

A company needs real-time guidance to follow AWS best practices to save money, improve system performance, and close security gaps. Which AWS service should the company use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS Management Console
- D. AWS Systems Manager

**Answer: B**

#### Explanation:

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks.

#### NEW QUESTION 21

- (Exam Topic 1)

According to the AWS shared responsibility model, which activities are the customer's responsibility for security in the AWS Cloud? (Select TWO.)

- A. Hardware maintenance
- B. Amazon EC2 operating system patching
- C. API access control for AWS resources
- D. Configuration management of infrastructure devices
- E. Maintenance of an Availability Zone

**Answer: BC**

#### NEW QUESTION 25

- (Exam Topic 1)

A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to expand into the second Region?

- A. Contact an AWS account manager to sign a new contract.
- B. Move an Availability Zone to the second Region.
- C. Begin to deploy resources in the second Region.
- D. Download the AWS Management Console for the second Region.

**Answer: C**

#### NEW QUESTION 28

- (Exam Topic 1)

Which AWS service or tool lists all the users in an account and reports on the status of account details, including passwords, access keys, and multi-factor authentication (MFA) devices?

- A. WS Shield
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. IAM credential report

**Answer: D**

#### Explanation:

You can generate and download a credential report that lists all users in your account and the status of their various credentials, including passwords, access keys, and MFA devices. You can get a credential report from the AWS Management Console, the AWS SDKs and Command Line Tools, or the IAM API.

### NEW QUESTION 32

- (Exam Topic 1)

Which combination of steps will enable multi-factor authentication (MFA) on an AWS account? (Select TWO.)

- A. Contact AWS Support to initiate MFA activation.
- B. Activate AWS Shield on an MFA-compatible device.
- C. Acquire an MFA-compatible device.
- D. Activate the MFA device by using Amazon GuardDuty.
- E. Activate the MFA device in the IAM console or by using the AWS CLI.

**Answer:** BC

#### **Explanation:**

AWS Multi-Factor Authentication (MFA) is a simple best practice that adds an extra layer of protection on top of your user name and password. With MFA enabled, when a user signs in to an AWS website, they will be prompted for their user name and password (the first factor—what they know), as well as for an authentication response from their AWS MFA device (the second factor—what they have). Taken together, these multiple factors provide increased security for your AWS account settings and resources.

### NEW QUESTION 35

- (Exam Topic 1)

A company wants to secure its consumer web application by using SSL/TLS to encrypt traffic. Which AWS service can the company use to meet this goal?

- A. AWS WAF
- B. AWS Shield
- C. Amazon VPC
- D. AWS Certificate Manager (ACM)

**Answer:** D

#### **Explanation:**

To enable HTTPS connections to your website or application in AWS, you need an SSL/TLS server certificate. For certificates in a Region supported by AWS Certificate Manager (ACM), we recommend that you use ACM to provision, manage, and deploy your server certificates.

### NEW QUESTION 39

- (Exam Topic 1)

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

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Redshift
- E. Amazon S3

**Answer:** BD

### NEW QUESTION 43

- (Exam Topic 1)

A company is reviewing the current costs of running its own infrastructure on premises. The company wants to compare these on-premises costs to the costs of running infrastructure in the AWS Cloud.

How should the company make this comparison?

- A. Review the AWS shared responsibility model.
- B. Audit existing software and hardware licensing costs.
- C. Analyze the AWS Well-Architected Framework.
- D. Use Migration Evaluator.

**Answer:** D

### NEW QUESTION 45

- (Exam Topic 1)

A company manages global applications that require static IP addresses.

Which AWS service would enable the company to improve the availability and performance of its applications?

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon API Gateway

**Answer:** B

#### **Explanation:**

AWS Global Accelerator provides you with a set of static IP addresses that can map to multiple application endpoints across AWS Regions, to improve redundancy.

### NEW QUESTION 47

- (Exam Topic 1)

Which AWS service provides storage that can be mounted across multiple Amazon EC2 instances?

- A. Amazon WorkSpaces
- B. Amazon Elastic File System (Amazon EFS)
- C. AWS Database Migration Service (AWS DMS)
- D. AWS Snowball Edge

**Answer:** B

#### NEW QUESTION 52

- (Exam Topic 1)

A company has a global website with static content.

Which AWS service will deliver the static content with low latency?

- A. AWS Lambda
- B. Amazon CloudFront
- C. Amazon EC2 Auto Scaling
- D. AWS Compute Optimizer

**Answer:** B

#### NEW QUESTION 55

- (Exam 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
- C. AWS CodeDeploy
- D. AWS Wavelength

**Answer:** A

#### NEW QUESTION 60

- (Exam 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
- D. One or more data centers with redundant power and networking

**Answer:** C

#### Explanation:

AWS Local Zones are a type of AWS infrastructure deployment that place compute, storage, database, and other select services closer to large population, industry, and IT centers, enabling you to deliver applications that require single-digit millisecond latency to end-users.

#### NEW QUESTION 62

- (Exam Topic 1)

Which AWS service enables the decoupling and scaling of applications?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. AWS Outposts
- C. Amazon S3
- D. Amazon Simple Email Service (Amazon SES)

**Answer:** A

#### Explanation:

Amazon Simple Queue Service (SQS) is a fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications.

#### NEW QUESTION 64

- (Exam Topic 1)

Which of the following are design principles of the reliability pillar of the AWS Well-Architected Framework? (Select TWO.)

- A. Perform operations as code.
- B. Stop guessing capacity.
- C. Adopt serverless architecture whenever possible.
- D. Use build and deployment management systems.
- E. Make changes to infrastructure by using automation.

**Answer:** BE

#### NEW QUESTION 66

- (Exam Topic 1)

A company discovered unauthorized access to resources in its on-premises data center. Upon investigation, the company found that the requests originated from

a resource hosted on AWS. Which AWS team should the company contact to report this issue?

- A. AWS Customer Service team
- B. AWS Sales team
- C. AWS Abuse team
- D. AWS Technical Support team

**Answer:** D

#### NEW QUESTION 68

- (Exam Topic 1)

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

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

**Answer:** BE

#### Explanation:

AWS WAF can be deployed on Amazon CloudFront, the Application Load Balancer (ALB), Amazon API Gateway, and AWS AppSync. As part of Amazon CloudFront it can be part of your Content Distribution Network (CDN) protecting your resources and content at the Edge locations.

#### NEW QUESTION 69

- (Exam Topic 1)

Which AWS service keeps track of SSL/TLS certificates, creates new certificates, and processes renewals?

- A. AWS Identity and Access Management (IAM)
- B. AWS Certificate Manager (ACM)
- C. AWS Config
- D. AWS Trusted Advisor

**Answer:** B

#### Explanation:

AWS Certificate Manager helps manage the challenges of maintaining SSL/TLS certificates, including certificate renewals so you don't have to worry about expiring certificates. Learn more about provisioning, managing, and deploying public and private SSL/TLS certificates.

#### NEW QUESTION 70

- (Exam Topic 1)

A company plans to create a data lake that uses Amazon S3. Which factor will have the MOST effect on cost?

- A. The selection of S3 storage tiers
- B. Charges to transfer existing data into Amazon S3
- C. The addition of S3 bucket policies
- D. S3 ingest fees for each request

**Answer:** B

#### NEW QUESTION 74

- (Exam Topic 1)

A company is moving its on-premises NoSQL database to the AWS Cloud Which AWS service should the company use for the NoSQL database?

- A. Amazon Redshift
- B. Amazon RDS for MySQL
- C. Amazon Quantum Ledger Database (Amazon QLDB)
- D. Amazon DynamoDB

**Answer:** D

#### NEW QUESTION 78

- (Exam Topic 1)

Which of the following consists of one or more isolated data centers in the same regional area that are interconnected through low-latency networks?

- A. Availability Zone
- B. Edge location
- C. AWS Region
- D. Private networking

**Answer:** A

#### NEW QUESTION 83

- (Exam Topic 1)

A system automatically recovers from failure when a company launches its workload on the AWS Cloud services platform. Which pillar of the AWS Well-

Architected Framework does this situation demonstrate?

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

**Answer:** A

**Explanation:**

<https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/>

Built around six pillars—operational excellence, security, reliability, performance efficiency, cost optimization, and sustainability—AWS Well-Architected provides a consistent approach for customers and partners to evaluate architectures and implement scalable designs.

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.

**NEW QUESTION 85**

- (Exam Topic 1)

Which of the following is an AWS key-value database offering consistent single-digit millisecond performance at any scale?

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

**Answer:** B

**Explanation:**

Amazon DynamoDB is designed to provide consistent single-digit millisecond latency for any scale of workloads. This consistent performance is a big part of why the Snapchat Stories feature, which includes Snapchat's largest storage write workload, moved to DynamoDB.

**NEW QUESTION 86**

- (Exam Topic 1)

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

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

**Answer:** B

**NEW QUESTION 90**

- (Exam Topic 1)

Which of the following describes some of the core functionality of Amazon S3?

- A. Amazon S3 is a high-performance block storage service that is designed for use with Amazon EC2
- B. Amazon S3 is an object storage service that provides high-level performance, security, scalability, and data availability.
- C. Amazon S3 is a fully managed, highly reliable, and scalable file storage system that is accessible over the industry-standard SMB protocol.
- D. Amazon S3 is a scalable, fully managed elastic NFS for use with AWS Cloud services and on-premises resources.

**Answer:** B

**Explanation:**

Amazon S3 is object storage built to store and retrieve any amount of data from anywhere. It's a simple storage service that offers industry leading durability, availability, performance, security, and virtually unlimited scalability at very low costs.

**NEW QUESTION 92**

- (Exam 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
- D. Increased backup capabilities

**Answer:** C

**NEW QUESTION 94**

- (Exam Topic 1)

Which AWS service decouples application components so that the components run independently?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Workflow Service (Amazon SWF)
- C. AWS Glue
- D. Amazon Simple Queue Service (Amazon SQS)

**Answer:** D

**Explanation:**

Amazon SQS is a fully managed message queuing service that makes it easy to decouple and scale microservices, distributed systems, and serverless applications. Amazon SQS lets you decouple application components so that they run and fail independently, increasing the overall fault tolerance of the system.

**NEW QUESTION 99**

- (Exam Topic 1)

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

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

**Answer:** A

**Explanation:**

Anyone who has root user credentials for your AWS account has unrestricted access to all the resources in your account, including billing information. When you create access keys, you create the access key ID and secret access key as a set.

**NEW QUESTION 103**

- (Exam 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
- B. Amazon Route 53
- C. Amazon API Gateway
- D. Amazon Connect

**Answer:** A

**NEW QUESTION 106**

- (Exam 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

**Answer:** B

**NEW QUESTION 109**

- (Exam Topic 2)

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources needed to refactor the application but management wants to reduce operational overhead as part of the migration.

Which database service would MOST effectively support these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL Server

**Answer:** D

**NEW QUESTION 114**

- (Exam Topic 2)

Which solution provides a fast, automated and repeatable method of deploying AWS Cloud infrastructure to multiple AWS Regions?

- A. Use AWS CodeStar to set up a continuous delivery toolchain for automated deployment
- B. Create and launch an Amazon EC2 Amazon Machine Image (AMI) containing the source code with built-in deployment hooks to launch other AWS services
- C. Create and use an AWS CloudFormation template
- D. Use AWS Systems Manager to automate management tasks such as creating Amazon EC2 Amazon Machine images (AMIs) and applying patches

**Answer:** C

**NEW QUESTION 115**

- (Exam Topic 2)

A company needs to automatically protect its Amazon EC2 instances from distributed denial of service (DDoS) attacks. Which AWS service or tool will provide this protection?

- A. Network access control list (ACL)
- B. AWS Shield
- C. Security group
- D. Amazon GuardDuty

**Answer: B**

**NEW QUESTION 117**

- (Exam Topic 2)

Which component of the AWS global infrastructure does Amazon CloudFront use to deliver content to end users with low latency?

- A. Edge locations
- B. AWS Regions
- C. Availability Zones
- D. AWS Direct Connect connections

**Answer: A**

**NEW QUESTION 120**

- (Exam Topic 2)

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 Conned
- D. AWS Storage Gateway

**Answer: D**

**NEW QUESTION 124**

- (Exam Topic 2)

A company has stopped all of its Amazon EC2 instances but monthly billing charges continue to occur. What could be causing this? (Select TWO.)

- A. Amazon Elastic Block Store (Amazon EBS) storage charges
- B. Operating system charges
- C. Hardware charges
- D. Elastic IP charges
- E. Input/output (I/O) charges

**Answer: AD**

**NEW QUESTION 129**

- (Exam Topic 2)

What should a user do if the user loses an IAM secret access key?

- A. Retrieve the secret access key by using the IAM console.
- B. Create a new user with a new access key and a new secret access key.
- C. Rotate the secret access key.
- D. Request a new secret access key from AWS Support.

**Answer: C**

**NEW QUESTION 134**

- (Exam Topic 2)

A company is developing a new Node.js application. The application must have a scalable NoSQL database to meet increasing demand as the popularity of the application grows.

Which AWS services will meet the requirements for the database?

- A. Amazon Aurora Serverless
- B. Amazon ElastiCache
- C. Amazon DynamocDB
- D. Amazon Redshift

**Answer: C**

**NEW QUESTION 138**

- (Exam Topic 2)

Which of the following are security principles in the AWS Well-Architected Framework? (Select TWO.)

- A. Analyze and attribute expenditures
- B. Monitor, alert and audit actions and changes to AWS resources
- C. Deploy globally in minutes
- D. Protect data in transit and at rest
- E. Perform operations as code

**Answer: BD**

**NEW QUESTION 139**

- (Exam Topic 2)

A company that uses AWS needs to transfer 2 TB of data.

Which type of transfer of that data would result in no cost for the company?

- A. Inbound data transfer from the internet
- B. Outbound data transfer to the internet
- C. Data transfer between AWS Regions
- D. Data transfer between Availability Zones

**Answer: B**

#### NEW QUESTION 140

- (Exam Topic 2)

A company that is migrating to the AWS Cloud wants to reduce the operational costs of running its databases. Which combination of actions should the company take to achieve this goal (Select TWO.)

- A. Activate Amazon DynamoDB Accelerator (DAX)
- B. Deploy resources across multiple Availability Zones.
- C. Decrease operational tasks by using AWS managed services.
- D. Automate changes and responses to events.
- E. Use the AWS global infrastructure to benefit from economies of scale

**Answer: CD**

#### NEW QUESTION 144

- (Exam Topic 2)

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
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies

**Answer: D**

#### NEW QUESTION 147

- (Exam Topic 2)

Which of the following does Amazon CloudFront use to distribute content to users around the world?

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

**Answer: C**

#### Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. The regional edge caches are located between your origin web server and the global edge locations that serve content directly to your viewers.

#### NEW QUESTION 150

- (Exam Topic 2)

Which of the following gives a company the ability to take advantage of tiered pricing for services across multiple AWS member accounts?

- A. AWS Organizations service control policies (SCPs)
- B. AWS Organizations consolidated billing
- C. All Upfront Reserved instances
- D. Cost Explorer utilization reports

**Answer: B**

#### NEW QUESTION 154

- (Exam Topic 2)

A company is using AWS Lambda.

Which task is the company's responsibility, according to the AWS shared responsibility model?

- A. Update the Lambda runtime language
- B. Maintain the runtime environment
- C. Maintain the networking infrastructure
- D. Configure the resource

**Answer: D**

#### NEW QUESTION 158

- (Exam Topic 2)

A company has deployed its IT infrastructure in the AWS Cloud. The company's database must support reads with sub-millisecond latency.

Which AWS service will meet this requirement?

- A. Amazon EMR
- B. Amazon RDS
- C. AWS Glue
- D. Amazon ElastiCache

**Answer:** D

#### NEW QUESTION 163

- (Exam Topic 2)

A company needs to use third-party software for its workload on AWS. Which AWS service or feature can the company use to purchase the software?

- A. AWS Resource Access Manager
- B. AWS Manager Services
- C. AWS License Manager
- D. AWS Marketplace

**Answer:** D

#### NEW QUESTION 164

- (Exam Topic 2)

Which of the following are advantages of the AWS Cloud? (Select TWO.)

- A. AWS manages all the security within the cloud
- B. Expenses never change from month to month
- C. Users can stop spending money on the maintenance of data centers
- D. Users do not need to deploy applications globally
- E. Users can stop guessing about resource capacity

**Answer:** CE

#### NEW QUESTION 165

- (Exam Topic 2)

A company has set up its IT infrastructure in the AWS Cloud. The company wants to receive detailed reports that break down AWS costs by the hour. The reports must be placed in an Amazon S3 bucket.

Which AWS tool will meet these requirements?

- A. AWS Cost and Usage Reports
- B. AWS Pricing Calculator
- C. Cost Explorer
- D. AWS Budgets

**Answer:** A

#### NEW QUESTION 168

- (Exam Topic 2)

Which actions is the responsibility of AWS under the AWS shared responsibility model (Select TWO.)

- A. Scanning AWS service endpoints for vulnerabilities
- B. Enabling encryption on an Amazon S3 bucket
- C. Configuring security group rules
- D. Enforcing application access restrictions
- E. Encrypting traffic on the AWS backbone between global and regional AWS facilities

**Answer:** AE

#### NEW QUESTION 171

- (Exam Topic 2)

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 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

**Answer:** D

#### Explanation:

[aws.amazon.com/cognito/](https://aws.amazon.com/cognito/)

#### NEW QUESTION 172

- (Exam Topic 2)

A company plans to migrate complex legacy systems to AWS. The company will use several operating systems multiple databases and multiple programming languages. Which benefit of the AWS Cloud does this scenario represent?

- A. Scalability

- B. Flexibility
- C. Reliability
- D. Security

**Answer:** B

#### NEW QUESTION 177

- (Exam Topic 2)

Which AWS service is a fully hosted version control service?

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

**Answer:** B

#### Explanation:

CodeCommit is a secure, highly scalable, managed source control service that hosts private Git repositories. CodeCommit eliminates the need for you to manage your own source control system or worry about scaling its infrastructure. You can use CodeCommit to store anything from code to binaries. It supports the standard functionality of Git, so it works seamlessly with your existing Git-based tools.

#### NEW QUESTION 181

- (Exam Topic 2)

Which of the following is advantages of the AWS Cloud? (Select TWO.)

- A. Trade variable expenses for capital expenses
- B. High economies of scale
- C. Launch globally in minutes
- D. Focus on managing hardware infrastructure
- E. Overprovision to ensure capacity

**Answer:** CE

#### NEW QUESTION 185

- (Exam Topic 2)

A company recently created its first AWS account.

Which AWS services will require the use of a VPC? (Select TWO.)

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

**Answer:** BE

#### NEW QUESTION 190

- (Exam Topic 2)

Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

- A. Security
- B. Reliability
- C. Performance efficiency
- D. Cost optimization

**Answer:** B

#### NEW QUESTION 194

- (Exam Topic 2)

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
- D. Amazon CloudWatch Logs streams

**Answer:** C

#### NEW QUESTION 195

- (Exam Topic 2)

A company stores several terabytes of data in an Amazon S3 bucket. The company needs to query the data by using standard SQL and does not want to set up infrastructure. Which AWS service should the company use to meet these requirements?

- A. Amazon RDS
- B. Amazon Redshift

- C. Amazon Athena
- D. Amazon EC2

**Answer:** C

**Explanation:**

"Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL. Athena is serverless, so there is no infrastructure to setup or manage, and you can start analyzing data immediately."

**NEW QUESTION 199**

- (Exam Topic 3)

A company wants the ability to accommodate peak application usage without purchasing equipment for on-premises data centers. Which AWS Cloud benefit is the company seeking?

- A. High availability
- B. Security
- C. Reliability
- D. Elasticity

**Answer:** D

**NEW QUESTION 202**

- (Exam Topic 3)

Which AWS service, feature, or tool helps visualize the pattern of AWS spending?

- A. Cost Explorer
- B. Amazon DevPay
- C. AWS CloudTrail
- D. Consolidated billing

**Answer:** A

**NEW QUESTION 203**

- (Exam Topic 3)

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

- A. Cost allocation tags
- B. Key pairs
- C. Amazon Inspector
- D. AWS Trusted Advisor

**Answer:** A

**NEW QUESTION 204**

- (Exam Topic 3)

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 ManagerC AWS Identity and Access Management (IAM)
- C. Network ACLs

**Answer:** B

**Explanation:**

AWS Systems Manager Session Manager is a new interactive shell and CLI that helps to provide secure, access-controlled, and audited Windows and Linux EC2 instance management. Session Manager removes the need to open inbound ports, manage SSH keys, or use bastion hosts.

<https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html>

**NEW QUESTION 208**

- (Exam Topic 3)

Which feature of AWS Auto scaling will forecast future traffic to schedule changes in the number of Amazon EC2 instances at the appropriate times?

- A. Scheduled scaling
- B. Predictive scaling
- C. Target tracking scaling
- D. Step scaling

**Answer:** A

**NEW QUESTION 212**

- (Exam Topic 3)

Which AWS service provides recommendations to help users optimize costs and follow AWS best practices?

- A. AWS Trusted Advisor

- B. AWS Service Catalog
- C. AWS Ground Station
- D. Amazon GuardDuty

**Answer:** A

**Explanation:**

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas

**NEW QUESTION 213**

- (Exam Topic 3)

According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

- A. Amazon DynamoDB
- B. Amazon EC2 instances
- C. Amazon RDS instances
- D. Amazon S3

**Answer:** B

**NEW QUESTION 216**

- (Exam Topic 3)

A company notices suspicious network activity against an application that is running on a fleet of Amazon EC2 instances The suspicious activity is coming from a single IP address

Which AWS service should the company use to block access from this IP address?

- A. AWS Shield
- B. AWS Config
- C. Amazon GuardDuty
- D. AWS WAF

**Answer:** D

**Explanation:**

AWS WAF is a web application firewall that lets you monitor the HTTP and HTTPS requests that are forwarded to your protected web application resources. You can protect the following resource types:

- > Amazon CloudFront distribution
- > Amazon API Gateway REST API
- > Application Load Balancer
- > AWS AppSync GraphQL API
- > Amazon Cognito user pool

AWS WAF also lets you control access to your content. Based on conditions that you specify, such as the IP addresses that requests originate from or the values of query strings, your protected resource responds to requests either with the requested content, with an HTTP 403 status code (Forbidden), or with a custom response.

<https://docs.aws.amazon.com/waf/latest/developerguide/what-is-aws-waf.html>

**NEW QUESTION 218**

- (Exam Topic 3)

A company is building a business intelligence solution using Amazon Redshift. The company wants to use an AWS service to create interactive dashboards and not pay any upfront costs for it.

Which service should the company use?

- A. Amazon CloudWatch
- B. AWS Personal Health Dashboard
- C. AWS Service Catalog
- D. Amazon QuickSight

**Answer:** D

**NEW QUESTION 222**

- (Exam Topic 3)

A company needs to run a workload that requires low-latency access to an on-premises data center. The company wants a fully managed service to extend its existing VPC to local resources.

Which AWS service or resource should the company use?

- A. AWS Outposts
- B. Amazon Connect
- C. AWS Snowball Edge
- D. Amazon WorkLink

**Answer:** A

**Explanation:**

comparison between the outpost and Local zone

"should be local and on-premises" local zones are not on premises at all <https://aws.amazon.com/blogs/compute/aws-local-zones-and-aws-outposts-choosing-the-right-technology-for-yo>

#### NEW QUESTION 226

- (Exam Topic 3)

A company wants to protect resources that the company hosts on AWS, including Application Load Balancers and Amazon CloudFront distributions. The company wants an AWS service that can provide near real-time visibility into attacks on the company's resources. The service must also have a dedicated AWS team to assist with distributed denial of service (DDoS) attacks.

Which AWS service will meet these requirements?

- A. AWS WAF
- B. AWS Shield Standard
- C. Amazon Macie
- D. AWS Shield Advanced

**Answer:** D

#### Explanation:

<https://aws.amazon.com/shield/faqs/>

#### NEW QUESTION 231

- (Exam Topic 3)

A company wants to deploy a Docker application to the AWS Cloud. However, the company does not want to manage the underlying servers.

Which combination of AWS services should the company use to meet these requirements? (Select TWO)

- A. Amazon EC2
- B. Amazon EC2 Auto Scaling
- C. AWS Elastic Beanstalk
- D. Amazon CloudFront
- E. AWS Fargate

**Answer:** AE

#### NEW QUESTION 235

- (Exam Topic 3)

A company acquired another corporation. The company now has two AWS accounts.

Which AWS service or tool can the company use to consolidate the billing for these two accounts?

- A. AWS Systems Manager
- B. AWS Organizations
- C. AWS License Manager
- D. Cost Explorer

**Answer:** B

#### NEW QUESTION 239

- (Exam Topic 3)

Which of the following is an architectural design principle of the AWS Well-Architected Framework?

- A. Loosely couple components
- B. Build monolithic systems
- C. Scale vertically, not horizontally
- D. Use third-party software

**Answer:** A

#### NEW QUESTION 241

- (Exam Topic 3)

A company is building AWS architecture to deliver real-time data feeds from an on-premises data center into an application that runs on AWS. The company needs a consistent network connection with minimal latency.

What should the company use to connect the application and the data center to meet these requirements?

- A. AWS Direct Connect
- B. Public internet
- C. AWS VPN
- D. Amazon Connect

**Answer:** D

#### NEW QUESTION 245

- (Exam Topic 3)

A company needs to use a serverless interactive query service to analyze data in Amazon S3. The query service must support standard SQL.

Which AWS service will meet these requirements?

- A. Amazon Redshift
- B. AWS Glue
- C. Amazon Athena
- D. Amazon Kinesis Data Streams

**Answer:** C

#### NEW QUESTION 249

- (Exam Topic 3)

Which AWS service gives users the ability to provision a dedicated and private network connection from their internal network to AWS?

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

**Answer: B**

#### Explanation:

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.

#### NEW QUESTION 253

- (Exam Topic 3)

An ecommerce company plans move its data center workload to the AWS Cloud to support highly dynamic usage patterns.

Which benefit make the AWS Cloud cost-effective for the migration of this type of workload? (Select TWO.)

- A. Reliability
- B. Security
- C. Elasticity
- D. Pay-as-you-go resource pricing
- E. High availability

**Answer: CD**

#### NEW QUESTION 256

- (Exam Topic 3)

A company wants help from AWS Certified freelance consultants to complete several AWS Cloud projects. Which AWS service should the company use to find this support?

- A. AWS IQ
- B. AWS Support
- C. AWS Trusted Advisor
- D. AWS Marketplace

**Answer: A**

#### NEW QUESTION 261

- (Exam Topic 3)

Which of the following is an AWS Well-Architected Framework design principle for operational excellence in the AWS Cloud?

- A. Go global in minutes.
- B. Make frequent, small, reversible changes.
- C. Implement a strong foundation of identity and access management.
- D. Stop spending money on hardware infrastructure for data center operations.

**Answer: B**

#### NEW QUESTION 265

- (Exam Topic 3)

A company needs to store infrequently used data archives and long-term backups.

Which AWS service or storage class will meet these requirements MOST cost-effectively?

- A. Amazon FSx for Lustre.
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon S3 Glacier Flexible Retrieval

**Answer: D**

#### NEW QUESTION 268

- (Exam Topic 3)

A company needs to transfer 60 TB of data to the AWS Cloud in a secure manner. Which of the following should the company use to meet these requirements?

- A. AWS Snowball Edge device
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon S3

**Answer: A**

#### Explanation:

<https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>

#### NEW QUESTION 270

- (Exam Topic 3)

A developer needs to use a standardized template to create copies of a company's AWS architecture for development, test, and production environments. Which AWS service should the developer use to meet this requirement?

- A. AWS Cloud Map
- B. AWS CloudFormation
- C. Amazon CloudFront
- D. AWS CloudTrail

**Answer:** B

#### NEW QUESTION 272

- (Exam Topic 3)

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
- 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

**Answer:** A

#### NEW QUESTION 277

- (Exam Topic 3)

Which AWS service should a company use to check for IAM access keys that have not been rotated recently?

- A. AWSWAF
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS Certificate Manager (ACM)

**Answer:** B

#### Explanation:

Service quotas are the maximum number of resources that you can create in an AWS account. AWS implements quotas to provide highly available and reliable service to all customers, and protects you from unintentional spend. Trusted Advisor will notify you once you reach more than 80% of a service quota. You can then follow recommendations to delete resources or request a quota increase.

#### NEW QUESTION 280

- (Exam Topic 3)

A company needs an AWS design solution for a distributed system. The system's components need to be set up so that one system component cannot negatively impact another component. Which AWS architectural best practice will meet this requirement?

- A. Use request throttling
- B. Use a stateful service
- C. Implement automatic data backups
- D. Implement loose coupling

**Answer:** C

#### NEW QUESTION 285

- (Exam Topic 3)

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

**Answer:** D

#### Explanation:

X-ray - <https://aws.amazon.com/xray/> CloudTrail - audit  
Cloudwatch - monitor  
Inspector - vulnerability management X-Ray – tracing

#### NEW QUESTION 286

- (Exam Topic 3)

A company is planning to migrate to the AWS Cloud. The company is conducting organizational transformation and wants to become more responsive to customer inquiries and feedback.

Which task should the company perform to meet these requirements, according to the AWS Cloud Adoption Framework (AWS CAF)?

- A. Realign teams to focus on products and value streams.

- B. Create new value propositions with new products and services.
- C. Use a new data and analytics platform to create actionable insights.
- D. Migrate and modernize legacy infrastructure.

**Answer: B**

#### NEW QUESTION 291

- (Exam Topic 3)

A company wants to reconfigure its ecommerce application to automatically scale to meet customer demands. The company wants the operating system that the application runs on to be automatically updated.

Which AWS service will meet these requirements?

- A. Amazon Lightsail
- B. Amazon EC2
- C. AWS Lambda
- D. Amazon EC2 Auto Scaling

**Answer: C**

#### NEW QUESTION 292

- (Exam Topic 3)

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

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

**Answer: B**

#### NEW QUESTION 296

- (Exam Topic 3)

A company needs to track the relationships among AWS resources. The company also needs to review resource dependencies before the company makes any changes to the resources.

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

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager (AWS RAM)
- D. AWS System Manager

**Answer: B**

#### NEW QUESTION 298

- (Exam Topic 3)

Which AWS compute service automatically scales resources up or down to meet application workload demands?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. Amazon EC2
- C. Amazon Aurora
- D. AWS Lambda

**Answer: C**

#### NEW QUESTION 300

- (Exam Topic 3)

A company needs to set up user authentication for a new application. Users must be able to sign in directly with a user name and password, or through a third-party provider.

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

- A. AWS IAM Identity Center (AWS Single Sign-On)
- B. AWS Signer
- C. Amazon Cognito
- D. AWS Directory Service

**Answer: C**

#### NEW QUESTION 301

- (Exam Topic 3)

A company has an on-premises application. The application has process times of less than 5 minutes and is involved only a few times each day. The company wants to move the application to the AWS Cloud.

Which AWS service will support this application MOST cost-effectively?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. AWS Lambda
- C. Amazon Elastic Kubernetes Service (Amazon EKS)
- D. Amazon EC2

**Answer:** C

**NEW QUESTION 306**

- (Exam Topic 3)

Which AWS service or feature provides high availability and low latency within an AWS Region?

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

**Answer:** B

**NEW QUESTION 311**

- (Exam Topic 3)

Where can AWS users review answers to frequently asked questions about security in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Knowledge Center
- C. AWS Support Center
- D. AWS Artifact

**Answer:** B

**Explanation:**

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

**NEW QUESTION 314**

- (Exam Topic 3)

A company is using AWS Organizations to configure AWS accounts. Which design principle is a best practice for the company to implement?

- A. Organize accounts based on security and operational needs.
- B. Assign multiple sets of related workloads to each production account.
- C. Deploy workloads to the organization's management account.
- D. Combine production workloads and non-production workloads.

**Answer:** A

**NEW QUESTION 319**

- (Exam Topic 3)

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

**Explanation:**

Testing recovery procedures Reliability

Design Principles

Automatically recover from failure Test recovery procedures

Scale horizontally to increase aggregate workload availability Stop guessing capacity

Manage change in automation

**NEW QUESTION 320**

- (Exam Topic 3)

A company wants to query its server logs to gain insights about its customers' experiences. Which AWS service will store this data MOST cost-effectively?

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

**Answer:** C

**NEW QUESTION 322**

- (Exam Topic 3)

A company wants to run its applications in the AWS Cloud. The company does not have enough staff to maintain and protect its critical business applications. Which AWS service should the company use to perform these tasks?

- A. AWS Shield
- B. Amazon RDS
- C. AWS Config
- D. AWS Managed Services (AMS)

**Answer:** C

**NEW QUESTION 326**

- (Exam Topic 3)

Which AWS benefit is demonstrated by on-demand technology services that enable companies to replace upfront fixed expenses with variable expenses?

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

**Answer:** C

**NEW QUESTION 329**

- (Exam Topic 3)

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.

**Answer:** A

**NEW QUESTION 334**

- (Exam Topic 3)

Which activity is considered out of scope for AWS Support?

- A. Solving problems detected by Amazon EC2 health checks
- B. Answering "how to" question on AWS services and features
- C. Troubleshooting AWS APIs
- D. Tuning database queries

**Answer:** C

**NEW QUESTION 338**

- (Exam Topic 3)

A company is defining its AWS multi-account strategy. The company needs to control access to AWS services and needs to consolidate billing across accounts. Which AWS service should the company use to meet these requirements?

- A. AWS Organizations
- B. AWS Identity and Access Management (IAM)
- C. AWS Billing and Cost Management
- D. Amazon Cognito

**Answer:** A

**NEW QUESTION 342**

- (Exam Topic 3)

An application that is hosted on Amazon EC2 has a steady and consistent workload. The application will operate for at least 1 year. What is the MOST cost-effective instance purchasing option to meet these requirements?

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

**Answer:** B

**Explanation:**

<https://blogs.vmware.com/cloudhealth/aws-reserved-instances-vs-on-demand/#:~:text=The%20difference%20be>

**NEW QUESTION 344**

- (Exam Topic 3)

A company is choosing an AWS Support plan. The company needs the ability to contact cloud support engineers by phone, email, and chat 24 hours a day, 7 days a week.

What is the LEAST expensive AWS Support plan that meets these requirements?

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

**Answer:** C

**Explanation:**

<https://aws.amazon.com/premiumsupport/plans/>

#### NEW QUESTION 345

- (Exam Topic 3)

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.
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

**Answer: D**

#### NEW QUESTION 347

- (Exam Topic 3)

A company is using Amazon EC2 instances.

Which tasks are the company's responsibility, according to the AWS shared responsibility model? (Select 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
- 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.

**Answer: BE**

#### NEW QUESTION 352

- (Exam Topic 3)

What is the total volume of data that can be stored in Amazon S3?

- A. 10 PB
- B. 50 PB
- C. 100 PB
- D. Virtually unlimited

**Answer: D**

#### NEW QUESTION 353

- (Exam Topic 3)

A company plans to host its data warehouse application on AWS. The company has a machine learning (ML) model and wants to use that model within its data warehouse for data forecasting.

Which AWS service will meet these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift ML
- C. Amazon Aurora ML
- D. Amazon MemoryDB for Redis

**Answer: B**

#### NEW QUESTION 358

- (Exam Topic 3)

A company wants to integrate its online shopping website with social media login credentials. Which AWS service can the company use to make this integration?

- A. AWS Directory Service
- B. AWS Identity and Access Management (IAM)
- C. Amazon Cognito
- D. AWS IAM Identity Center (AWS Single Sign-On)

**Answer: C**

#### NEW QUESTION 361

- (Exam Topic 3)

A company needs an AWS service that will continuously monitor the company's AWS account for suspicious activity. The service must have the ability to initiate automated actions against threats that are identified in the security findings.

Which service will meet these requirements?

- A. AWS Trusted Advisor
- B. Amazon Detective
- C. Amazon Inspector
- D. Amazon GuardDuty

**Answer: D**

**Explanation:**

Amazon GuardDuty is a threat detection service that continuously monitors your AWS accounts and workloads for malicious activity and delivers detailed security findings for visibility and remediation.

<https://aws.amazon.com/guardduty/>

#### NEW QUESTION 365

- (Exam Topic 3)

A company wants to rightsized its Amazon EC2 instances.

Which configuration change will meet this requirement with the LEAST operational overhead?

- A. Add EC2 instances in another Availability Zone.
- B. Change the size and type of the EC2 instances based on utilization.
- C. Convert the payment method from On-Demand to Savings Plans.
- D. Retrain the EC2 instances with a larger instance type.

**Answer: B**

#### NEW QUESTION 366

- (Exam Topic 3)

An ecommerce company has deployed a new web application on Amazon EC2 instances. The company wants to distribute incoming HTTP traffic evenly across all running instances.

Which AWS service or resource will meet this requirement?

- A. Amazon EC2 Auto Scaling
- B. Application Load Balancer
- C. Gateway Load Balancer
- D. Network Load Balancer

**Answer: B**

#### NEW QUESTION 368

- (Exam Topic 3)

A company needs to manage multiple login across AWS accounts within the same organization in AWS Organizations.

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

- A. Amazon VPC
- B. Amazon GuardDuty
- C. Amazon Cognito
- D. AWS IAM Identify Center (AWS Single Sign-on)

**Answer: D**

#### NEW QUESTION 373

- (Exam Topic 3)

A company wants its Amazon EC2 instances to provide a low-latency static website to global users. What should the company do to meet this requirement?

- A. Use the EC2 instances in multiple edge locations.
- B. Use an Application Load Balancer with the EC2 instances configured as the target.
- C. Use the EC2 instances in the same Availability Zone but in different AWS Regions.
- D. Use Amazon CloudFront with the EC2 instances configured as the source.

**Answer: C**

#### NEW QUESTION 378

- (Exam Topic 3)

A company has an application that stores a high volume of unstructured data and session history. The company needs to scale the application reliably to millions of concurrent users while ensuring consistent low latency.

Which AWS service meets these requirements?

- A. Amazon RDS for MariaDB
- B. Amazon DynamoDB
- C. Amazon RDS for SQL Server
- D. Amazon Redshift

**Answer: B**

#### NEW QUESTION 380

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