

# Amazon-Web-Services

## Exam Questions CLF-C02

AWS Certified Cloud Practitioner



#### NEW QUESTION 1

- (Exam Topic 1)

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.
- 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.

**Answer:** A

#### NEW QUESTION 2

- (Exam Topic 1)

A company wants to use a template to reliably provision, manage, and update its infrastructure in the AWS Cloud. Which AWS service will meet these requirements?

- A. AWS Lambda
- B. AWS CloudFormation
- C. AWS Fargate
- D. AWS CodeDeploy

**Answer:** B

#### 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)

Which AWS service offers threat detection and continuously monitors for malicious activity and unauthorized behavior in AWS accounts?

- A. Amazon Made
- B. AWS Config
- C. Amazon GuardDuty
- D. Amazon Inspector

**Answer:** C

#### NEW QUESTION 5

- (Exam Topic 1)

Which controls are shared under the AWS shared responsibility model? (Select TWO.)

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

**Answer:** AC

#### Explanation:

In the AWS shared security model, 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 of shared controls 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 of customer specific controls include:

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

#### NEW QUESTION 6

- (Exam Topic 1)

Which of the following are characteristics of a serverless application that runs in the AWS Cloud? (Select TWO.)

- A. Users must manually configure Amazon EC2 instances.

- B. Users have a choice of operating systems.
- C. The application has built-in fault tolerance.
- D. Users can run Amazon EC2 Spot Instances.
- E. The application can scale based on demand.

**Answer:** CE

#### NEW QUESTION 7

- (Exam Topic 1)

A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance.

Which AWS service meets these requirements?

- A. AWS Lambda
- B. Amazon RDS
- C. AWS Fargate
- D. Amazon Athena

**Answer:** C

#### NEW QUESTION 8

- (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 9

- (Exam Topic 1)

A company runs applications that process credit card information. Auditors have asked if the AWS environment has changed since the previous audit. If the AWS environment has changed, the auditors want to know how it has changed. Which AWS services can provide this information? (Select TWO.)

- A. AWS Artifact
- B. AWS Trusted Advisor
- C. AWS Config
- D. AWS Cloud Trail
- E. AWS Identity and Access Management (IAM)

**Answer:** CD

#### Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements.

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.

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations.

AWS CloudTrail enables auditing, security monitoring, and operational troubleshooting by tracking user activity and API usage. CloudTrail logs, continuously monitors, and retains account activity related to actions across your AWS infrastructure, giving you control over storage, analysis, and remediation actions.

AWS Identity and Access Management (IAM) provides fine-grained access control across all of AWS. With IAM, you can specify who can access which services and resources, and under which conditions. With IAM policies, you manage permissions to your workforce and systems to ensure least-privilege permissions.

#### NEW QUESTION 10

- (Exam Topic 1)

Which AWS service should a company use to create a NoSQL database?

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

**Answer:** B

#### NEW QUESTION 10

- (Exam Topic 1)

Which of the following are characteristics of AWS WAF? (Select TWO.)

- A. Acts as a firewall that controls inbound and outbound traffic between Amazon EC2 instances
- B. Acts as a firewall that controls inbound and outbound traffic between subnets
- C. Gives users the ability to block traffic that has specific HTTP headers
- D. Protects websites that are not hosted on AWS
- E. Scans Amazon EC2 instances for common vulnerabilities

**Answer:** BC

**Explanation:**

AWS WAF lets you create rules to filter web traffic based on conditions that include IP addresses, HTTP headers and body, or custom URIs. This gives you an additional layer of protection from web attacks that attempt to exploit vulnerabilities in custom or third party web applications. In addition, AWS WAF makes it easy to create rules that block common web exploits like SQL injection and cross site scripting. AWS WAF allows you to create a centralized set of rules that you can deploy across multiple websites. This means that in an environment with many websites and web applications you can create a single set of rules that you can reuse across applications rather than recreating that rule on every application you want to protect.

**NEW QUESTION 13**

- (Exam Topic 1)

A company needs to use machine learning and pattern matching to identify and protect sensitive data that the company stores in the AWS Cloud. Which AWS service will meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Audit Manager

**Answer:** B

**Explanation:**

Amazon Macie is a fully managed data security and data privacy service that uses machine learning and pattern matching to discover and protect your sensitive data in AWS.

**NEW QUESTION 15**

- (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 19**

- (Exam 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
- C. AWS Abuse team
- D. AWS Support

**Answer:** B

**NEW QUESTION 24**

- (Exam Topic 1)

Which AWS service or feature enables users to get one bill and easily track charges for multiple AWS accounts?

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

**Answer:** A

**Explanation:**

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a management account that pays the charges of all the member accounts.

**NEW QUESTION 26**

- (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 29**

- (Exam Topic 1)

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

**Explanation:**

Table Description automatically generated

Name	Description
Operational Excellence	The ability to support development and run workloads effectively, gain insight into their operations, and to continuously improve supporting processes and procedures to deliver business value.
Security	The security pillar describes how to take advantage of cloud technologies to protect data, systems, and assets in a way that can improve your security posture.
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. This paper provides in-depth, best practice guidance for implementing reliable workloads on AWS.
Performance Efficiency	The ability to use computing resources efficiently to meet system requirements, and to maintain that efficiency as demand changes and technologies evolve.
Cost Optimization	The ability to run systems to deliver business value at the lowest price point.
Sustainability	The ability to continually improve sustainability impacts by reducing energy consumption and increasing efficiency across all components of a workload by maximizing the benefits from the provisioned resources and minimizing the total resources required.

**NEW QUESTION 33**

- (Exam Topic 1)

A company needs to design an AWS disaster recovery plan to cover multiple geographic areas. Which action will meet this requirement?

- A. Configure multiple AWS accounts.
- B. Configure the architecture across multiple Availability Zones in an AWS Region.
- C. Configure the architecture across multiple AWS Regions.
- D. Configure the architecture among many edge locations.

**Answer:** C

**NEW QUESTION 35**

- (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 39**

- (Exam Topic 1)

What is an AWS Region?

- A. A broad set of global, cloud-based products that include compute, storage, and databases
- B. A physical location around the world where data centers are clustered
- C. One or more discrete data centers with redundant power, networking, and connectivity
- D. A service that developers use to build applications that deliver latencies of single-digit milliseconds to users

**Answer:** B

**Explanation:**

AWS has the concept of a Region, which is a physical location around the world where we cluster data centers. We call each group of logical data centers an Availability Zone. Each AWS Region consists of multiple, isolated, and physically separate AZs within a geographic area.



#### NEW QUESTION 44

- (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 48

- (Exam Topic 1)

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

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

**Answer:** C

#### NEW QUESTION 51

- (Exam Topic 1)

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

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

**Answer:** B

#### NEW QUESTION 52

- (Exam Topic 1)

A company is using Amazon RDS.

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

- A. Apply encryption options for the database.
- B. Manage the underlying server hardware on which Amazon RDS runs.
- C. Apply patches to the underlying operating system.
- D. Apply minor patches to the database.

**Answer:** A

#### NEW QUESTION 57

- (Exam Topic 1)

A company's system administrator discovers that someone logged in to the company's AWS account during the weekend and terminated an Amazon EC2 instance. Which AWS service should the system administrator use to identify who made this change?

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

**Answer:** C

#### NEW QUESTION 58

- (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 59

- (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 64

- (Exam Topic 1)

Which task can a user complete by using AWS Identity and Access Management (IAM)?

- A. Validate JSON syntax from an application configuration file.
- B. Analyze logs from an Amazon API Gateway call.
- C. Filter traffic to or from an Amazon EC2 instance.
- D. Grant permissions to applications that run on Amazon EC2 instances.

**Answer:** D

#### Explanation:

AWS Identity and Access Management (IAM) is a web service for securely controlling access to AWS resources. It enables you to create and control services for user authentication or limit access to a certain set of people who use your AWS resources.

#### NEW QUESTION 66

- (Exam Topic 1)

Which AWS service or feature enables users to block the incoming or outgoing traffic associated with specific IP addresses flowing through a VPC?

- A. Network ACLs
- B. Security groups
- C. AWS Identity and Access Management (IAM)
- D. AWS WAF

**Answer:** D

#### Explanation:

To allow or block specific IP addresses for your EC2 instances, use network Access Control List (ACL) or security group rules in your VPC. Network ACLs and security group rules act as firewalls allowing or blocking IP addresses from accessing your resources

#### NEW QUESTION 68

- (Exam Topic 1)

A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.

Which AWS service or group can provide these documents?

- A. AWS Abuse team
- B. AWS Artifact
- C. AWS Support
- D. AWS Config

**Answer:** B

#### Explanation:

• Portal that provides customers with on-demand access to AWS compliance documentation and AWS agreements • Artifact Reports - Allows you to download AWS security and compliance documents from third-party auditors, like AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports • Artifact Agreements - Allows you to review, accept, and track the status of AWS agreements such as the Business Associate Addendum (BAA) or the Health Insurance Portability and Accountability Act (HIPAA) for an individual account or in your organization • Can be used to support internal audit or compliance

#### NEW QUESTION 73

- (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 75

- (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 79**

- (Exam Topic 1)

A company needs steady and predictable performance from its Amazon EC2 instances at the lowest possible cost. The company also needs the ability to scale resources to ensure that it has the right resources available at the right time.

Which AWS service or resource will meet these requirements?

- A. Amazon CloudWatch
- B. Application Load Balancer
- C. AWS Batch
- D. Amazon EC2 Auto Scaling

**Answer:** D

**Explanation:**

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.

**NEW QUESTION 80**

- (Exam Topic 1)

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud. Which of the following are benefits of building this app in the AWS Cloud? (Select TWO.)

- A. A large, upfront capital expense and low variable expenses
- B. Increased speed for trying out new projects
- C. Complete control over the physical security of the infrastructure
- D. Flexibility to scale up in minutes as the application becomes popular
- E. Ability to pick the specific data centers that will host the application servers

**Answer:** AD

**NEW QUESTION 85**

- (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 87**

- (Exam Topic 2)

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)
- D. AWS Fargate

**Answer:** D

**NEW QUESTION 89**

- (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 91**



- (Exam Topic 2)

Which guidelines are key AWS architectural design principles? (Select 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.

**Answer:** BD

#### NEW QUESTION 93

- (Exam Topic 2)

Which AWS service provides intelligent recommendations to improve code quality and identify an application is most expensive lines of code?

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

**Answer:** A

#### NEW QUESTION 97

- (Exam Topic 2)

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
- C. AWS Config
- D. Amazon inspector

**Answer:** B

#### NEW QUESTION 99

- (Exam Topic 2)

Which AWS service is suited for use cases that require data backup and restore features include data lakes and need an archiving system?

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

**Answer:** D

#### NEW QUESTION 102

- (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 105

- (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 109

- (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 114

- (Exam Topic 2)

A company is running multiple workloads in the AWS Cloud and recently began investigating ways to reduce costs. The company is already running fault-tolerant workloads on Amazon EC2 that perform periodic checkpoints in case of an outage. Which AWS service or pricing model can provide the GREATEST cost savings?

- A. Capacity Reservations
- B. Amazon Lightsail
- C. Spot Instances
- D. Dedicated Hosts

**Answer:** A

#### NEW QUESTION 115

- (Exam Topic 2)

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

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

**Answer:** C

#### NEW QUESTION 116

- (Exam Topic 2)

Which AWS services are delivered globally instead of regionally? (Select TWO.)

- A. Amazon EC2
- B. Amazon CloudFront
- C. Amazon Route 53
- D. Amazon VPC
- E. Amazon RDS

**Answer:** BC

#### NEW QUESTION 117

- (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 119

- (Exam Topic 2)

A company has acquired several other companies. All the companies host their IT infrastructure in the AWS Cloud. Which AWS service should the acquiring company use to centralize the account management?

- A. AWS Systems Manager
- B. AWS Organizations
- C. AWS Security Hub
- D. Amazon Workspaces

**Answer:** B

#### NEW QUESTION 122

- (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 123**

- (Exam Topic 2)

A company needs a data warehouse for analytical workloads. The data warehouse must support standard SQL queries. Which AWS service meets these requirements?

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

**Answer:** C

**NEW QUESTION 125**

- (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 130**

- (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 134**

- (Exam Topic 2)

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

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

**Answer:** C

**NEW QUESTION 139**

- (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 144**

- (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 Manager
- C. 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 146**

- (Exam Topic 3)

Which combination of AWS services or features can a company use to encrypt data in transit and data at rest? (Select TWO.)

- A. AWS Lambda
- B. AWS Key Management Service (AWS KMS)
- C. Amazon CloudWatch metrics
- D. AWS Certificate Manager (ACM)
- E. AWS Systems Manager

**Answer:** BD

**NEW QUESTION 148**

- (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 150**

- (Exam Topic 3)

Which component of the AWS global infrastructure provides low-latency access to content in multiple geographic areas by storing copies of data close to end users?

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

**Answer:** C

**Explanation:**

AWS Local Zones allow you to use select AWS services, like compute and storage services, closer to more end-users, providing them very low latency access to the applications running locally.

**NEW QUESTION 155**

- (Exam Topic 3)

A company provides Amazon Workspaces to its remote employees. The company wants to prevent employees from using their virtual desktops to visit specific websites that are known to be malicious.

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

- A. AWS Shield Advanced
- B. Amazon Route 53
- C. Amazon GuardDuty
- D. AWS Network Firewall

**Answer:** D

**Explanation:**

<https://aws.amazon.com/blogs/desktop-and-application-streaming/filtering-internet-traffic-from-amazon-worksp> AWS Network Firewall extends protection beyond SG- and NACL-levels by protecting at the route level and offering stateless and stateful rules from layers 3 through 7 in the OSI Model. It uses the certificate fully qualified domain name (FQDN) or Server Name Indication (SNI) to determine if a website is allowed for HTTPS traffic. This is a commonly requested security requirement. Reviewing these design examples of AWS Network Firewall will accelerate your migration to Amazon WorkSpaces. AWS Network Firewall is a managed service, with no infrastructure to manage or patch you can simplify operational excellence. Native settings for advanced filtering (including domain name), and network traffic inspection can alert and block traffic related to malware. It also has layer 7 intrusion prevent system (IPS) rules, and the ability to apply TLS fingerprinting to prevent a spoofed IP or FQDN.

**NEW QUESTION 159**

- (Exam Topic 3)

What is the MOST secure way to store passwords on AWS?

- A. Store passwords in an Amazon S3 bucket.
- B. Store passwords as AWS Cloud Formation parameters.
- C. Store passwords in AWS Storage Gateway.
- D. Store passwords in AWS Secrets Manager.

**Answer:** D

**NEW QUESTION 163**

- (Exam Topic 3)

Which AWS services use cloud-native storage that provides replication across multiple Availability Zones by default? (Choose two.)

- A. Amazon ElastiCache
- B. Amazon RDS for Oracle
- C. Amazon Neptune
- D. Amazon DocumentDB (with MongoDB compatibility)
- E. Amazon Redshift

**Answer:** BE

**NEW QUESTION 167**

- (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 172**

- (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 173**

- (Exam Topic 3)

What is the recommended use case for Amazon EC2 On-Demand Instances?

- A. A steady-state workload that requires a particular EC2 instance configuration for a long period of time
- B. A workload that can be interrupted for a project that requires the lowest possible cost
- C. An unpredictable workload that does not require a long-term commitment
- D. A workload that is expected to run for longer than 1 year

**Answer:** B

**NEW QUESTION 176**

- (Exam Topic 3)

A company needs fully managed, highly reliable, and scalable file storage that is accessible over the Server Message Block (SMB) protocol. Which AWS service will meet these requirements?

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon FSx for Windows File Server
- D. Amazon Elastic Block Store (Amazon EBS)

**Answer:** C

**Explanation:**

<https://www.amazonaws.cn/en/fsx/windows/>

**NEW QUESTION 180**

- (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 183**

- (Exam Topic 3)

A company wants to migrate its Microsoft SQL Server database management system from on premises to the AWS Cloud. Which AWS service should the company use to reduce management overhead for this environment?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon SageMaker
- C. Amazon RDS
- D. Amazon Athena

**Answer:** B

**NEW QUESTION 187**

- (Exam Topic 3)

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

- A. Chief financial officer (CFO)
- B. Chief information officer (CIO)
- C. Chief data officer (CDO)
- D. Engineer

**Answer:** A

**NEW QUESTION 188**

- (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 192**

- (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 193**

- (Exam Topic 3)

A company needs network access to be restricted to an Amazon EC2 instance for certain ports. Which AWS services or features will support this requirement? (Select TWO.)

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Network ACLs
- C. IAM Password rotation policy
- D. Security groups
- E. Amazon Route 53 record sets

**Answer:** BD

**NEW QUESTION 197**

- (Exam Topic 3)

Which AWS service or feature can a company use to create a private, secured, and scalable network environment in the AWS Cloud?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon S3
- C. Amazon VPC
- D. Route tables

**Answer:** C

**NEW QUESTION 202**

- (Exam Topic 3)

A company needs the historical cost and service usage details of its Amazon EC2 instances. Which AWS service or tool will provide this information?

- A. AWS Budgets
- B. Amazon Forecast

- C. AWS Cost Explorer
- D. AWS Pricing Calculator

**Answer:** C

**Explanation:**

AWS Cost Explorer helps you visualize, understand, and manage your AWS costs and usage over a daily or monthly granularity. You can also access your data with further granularity by enabling hourly and resource level granularity.

**NEW QUESTION 205**

- (Exam Topic 3)

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

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

**Answer:** D

**NEW QUESTION 208**

- (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 212**

- (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, accounting 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 213**

- (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 217**

- (Exam Topic 3)

A company wants to migrate its main application to Amazon EC2. The application must provide low latency to users residing in two different geographic locations. The architecture of the Application must have disaster recovery capabilities.

How can these requirements be met?

- A. Deploy the application on an EC2 instance and set up EC2 automatic recovery.
- B. Deploy the application on multiple EC2 instances running in one Availability Zone.
- C. Deploy the application on EC2 instances in Multi-AZs in a single AWS Region.
- D. Deploy the application on EC2 instances in multiple AWS Regions.

**Answer:** D

**NEW QUESTION 222**

- (Exam Topic 3)

A company is moving its on-premises key-value database to the AWS Cloud Which AWS service will support this use case?

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

**Answer:** C

#### NEW QUESTION 223

- (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 226

- (Exam Topic 3)

A company needs to generate reports that can break down cloud costs by product, by company-defined tags, and by hour, day, and month.

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

- A. Reserved Instance utilization and coverage reports
- B. Savings Plans utilization reports
- C. AWS Budgets reports
- D. AWS Cost and Usage Reports

**Answer:** D

#### NEW QUESTION 228

- (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 229

- (Exam Topic 3)

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

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

**Answer:** B

#### Explanation:

If you do have an access key for your AWS account root user, delete it. If you must keep it, rotate (change) the access key regularly. To delete or rotate your root user access keys, go to the My Security Credentials page in the AWS Management Console and sign in with your account's email address and password. You can manage your access keys in the Access keys section. For more information about rotating access keys, see Rotating access keys.

#### NEW QUESTION 234

- (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 236

- (Exam Topic 3)

A company needs to block SQL injection attacks.

Which AWS service or feature provides this functionality?

- A. AWS WAF
- B. Network ACLs
- C. Security groups
- D. AWS Trusted Advisor

**Answer:** A

#### NEW QUESTION 240

- (Exam Topic 3)

A company needs to migrate all of its development teams to a cloud-based integrated development environment (IDE).

Which AWS service should the company use?

- A. AWS CodeBuild
- B. AWS Cloud9
- C. AWS OpsWorks
- D. AWS Cloud Development Kit (AWS CDK)

**Answer:** B

#### Explanation:

cloud-based integrated devWS Cloud9 is an integrated development environment, or IDE. The AWS Cloud9 IDE offers a rich code-editing experience with support for several programming languages and runtime debuggers, and a built-in terminal.elopment environment (IDE)

<https://aws.amazon.com/es/cloud9/details/> AWS Cloud9 es un entorno de desarrollo integrado (IDE) basado en la nube que le permite escribir, ejecutar y depurar código desde cualquier equipo con tan solo un navegador.

#### NEW QUESTION 244

- (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 245

- (Exam Topic 3)

A company wants to build an application that uses AWS Lambda to run Python code.

Under the AWS shared responsibility model, which tasks will be the company's responsibility? (Select TWO.)

- A. Management of the underlying infrastructure.
- B. Management of the operating system.
- C. Writing the business logic code.
- D. Installation of the computer language runtime.
- E. Providing AWS Identity and Access Management (IAM) access to the Lambda service.

**Answer:** CE

#### NEW QUESTION 247

- (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 248

- (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 251**

- (Exam Topic 3)

Which benefit of the AWS Cloud helps companies achieve lower usage costs because of the aggregate of all AWS users?

- A. No need to guess capacity
- B. Ability to go global in minutes
- C. Economies of scale
- D. Increased speed and agility

**Answer:** A

**NEW QUESTION 253**

- (Exam Topic 3)

A company needs help with a specific question that is related to a planned AWS deployment of a business application. The company has only the AWS Basic Support plan. The company wants to have the question answered immediately by an expert who has adequate skills and experience.

Which action should the company take to meet these requirements?

- A. Submit the question to AWS Support by phone or live chat.
- B. Submit the question in AWS re:Post
- C. Connect with other AWS customers by using AWS Connect
- D. Connect with an AWS professional by using AWS IQ.

**Answer:** A

**NEW QUESTION 255**

- (Exam Topic 3)

A company wants to update its online data processing application by implementing container-based services that run for 4hours at a time. The company does not want to provision or manage server instance.

Which AWS service will meet these requirements?

- A. AWS Lambda
- B. AWS Fargate
- C. Amazon EC2
- D. AWS Elastic Beanstalk

**Answer:** B

**NEW QUESTION 260**

- (Exam Topic 3)

A company wants to run its workload on Amazon EC2 instances for more than 1 year. This workload will run continuously. Which option offers a discounted hourly rate compared to the hourly rate of On-Demand Instances?

- A. AWS Graviton processor
- B. Dedicated Hosts
- C. EC2 Instance Savings Plans
- D. Amazon EC2 Auto Scaling Instances

**Answer:** C

**NEW QUESTION 262**

- (Exam Topic 3)

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously. Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

**Answer:** B

**Explanation:**

Amazon EFS provides secure access for thousands of connections for Amazon EC2 instances and on-premises servers, as well as AWS compute services, including ECS, EKS, AWS Fargate, and AWS Lambda, simultaneously using a traditional file permissions model, file locking capabilities, and hierarchical directory structure via the NFSv4 protocol. Amazon EC2 instances can access your file system across AZs, regions, and VPCs, while on-premises servers can access using AWS Direct Connect or AWS VPN.

**NEW QUESTION 265**

- (Exam Topic 3)

How does the AWS Cloud help companies build agility into their processes and cloud infrastructure?

- A. Companies can avoid provisioning too much capacity when they do not know how much capacity is required.
- B. Companies can expand into new geographic regions.
- C. Companies can access a range of technologies to experiment and innovate quickly.
- D. Companies can pay for IT resources only when they use the resources.



**Answer:** C

**NEW QUESTION 266**

- (Exam Topic 3)

Which AWS service helps users audit API activity across their AWS account?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. AWSWAF
- D. AWS Config

**Answer:** A

**NEW QUESTION 268**

- (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 273**

- (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 277**

- (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 282**

- (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 287**

- (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 290**

- (Exam Topic 3)

Which statements represent the cost-effectiveness of the AWS Cloud? (Choose two.)

- A. Users can trade fixed expenses for variable expenses.
- B. Users can deploy all over the world in minutes.
- C. AWS offers increased speed and agility.
- D. AWS is responsible for patching the infrastructure.
- E. Users benefit from economies of scale.

**Answer:** AE

**NEW QUESTION 293**

- (Exam Topic 3)

A company suspects that its AWS resources are being used for illegal activities. Which AWS group or team should the company notify?

- A. AWS Abuse team
- B. AWS Support team
- C. AWS technical account managers
- D. AWS Professional Services team

**Answer:** A

**Explanation:**

"If you suspect that AWS resources are used for abusive purposes, contact the AWS Trust & Safety team using the Report Amazon AWS abuse form, or by contacting [abuse@amazonaws.com](mailto:abuse@amazonaws.com). Provide all the necessary information, including logs in plaintext, email headers, and so on, when you submit your request. Note: AWS Support can't assist with reports of abuse or questions about notifications from the AWS Trust & Safety team. If you have questions for the AWS Trust & Safety team, reply directly to their email.

**NEW QUESTION 296**

- (Exam Topic 3)

A company wants to build an application that consists entirely of microservices. Which AWS Cloud architecture design principle supports this goal?

- A. Think parallel
- B. Implement elasticity
- C. Stop guessing capacity
- D. Decouple components

**Answer:** D

**NEW QUESTION 301**

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