



# Amazon-Web-Services

## Exam Questions CLF-C01

AWS Certified Cloud Practitioner

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### NEW QUESTION 1

- (Topic 3)

A company is migrating to the AWS Cloud to meet storage needs. The company wants to optimize costs based on the amount of storage that the company uses. Which AWS offering or benefit will meet these requirements MOST cost-effectively?

- A. Pay-as-you-go pricing
- B. Savings Plans
- C. AWS Free Tier
- D. Volume-based discounts

**Answer:** D

#### Explanation:

Volume-based discounts are an AWS offering or benefit that can help the company optimize costs based on the amount of storage that the company uses. Volume-based discounts are discounts that AWS provides for some storage services, such as Amazon S3 and Amazon EBS, when the company stores a large amount of data. The more data the company stores, the lower the price per GB. For example, Amazon S3 offers six storage classes, each with a different price per GB. The price per GB decreases as the amount of data stored in each storage class increases

### NEW QUESTION 2

- (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

#### Explanation:

The cost of application software licenses is the company's direct responsibility when it migrates its IT infrastructure from an on-premises data center to the AWS Cloud. Application software licenses are the agreements that grant users the right to use specific software products, such as operating systems, databases, or applications. Depending on the type and terms of the license, users may need to pay a fee to the software vendor or provider to use the software legally and access its features and updates. When users migrate their IT infrastructure to the AWS Cloud, they can choose to buy new licenses from AWS, bring their own licenses (BYOL), or use a combination of both. However, regardless of the option they choose, they are still responsible for complying with the license terms and paying the license fees to the software vendor or provider. AWS does not charge users for the application software licenses they bring or buy, but only for the AWS resources they use to run their applications. Therefore, the cost of application software licenses is the only cost among the options that is the company's direct responsibility. The other costs are either included in the AWS service fees or covered by AWS.

References: AWS License Manager Pricing, Software licensing: The blind spot in public cloud costs, Cost Optimization tips for SQL Server Licenses on AWS, Microsoft Licensing on AWS

### NEW QUESTION 3

- (Topic 3)

A company is running its application in the AWS Cloud and wants to protect against a DDoS attack. The company's security team wants near real-time visibility into DDoS attacks.

Which AWS service or traffic filter will meet these requirements with the MOST features for DDoS protection?

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

**Answer:** A

#### Explanation:

AWS Shield Advanced is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS. AWS Shield Advanced provides you with 24x7 access to the AWS DDoS Response Team (DRT) and protection against DDoS attacks of any size or duration. AWS Shield Advanced also provides near real-time visibility into attacks, advanced attack mitigation capabilities, and integration with AWS WAF and AWS Firewall Manager<sup>1</sup>. AWS Shield is a standard service that provides always-on detection and automatic inline mitigations to minimize application downtime and latency, but it does not offer the same level of features and support as AWS Shield Advanced<sup>2</sup>. Amazon GuardDuty is a threat detection service that continuously monitors for malicious activity and unauthorized behavior, but it does not provide DDoS protection<sup>3</sup>. Network ACLs are stateless filters that can be associated with a subnet to control the traffic to and from the subnet, but they are not designed to protect against DDoS attacks

### NEW QUESTION 4

- (Topic 3)

A company needs to migrate a PostgreSQL database from on-premises to Amazon RDS. Which AWS service or tool should the company use to meet this requirement?

- A. Cloud Adoption Readiness Tool
- B. AWS Migration Hub
- C. AWS Database Migration Service (AWS DMS)
- D. AWS Application Migration Service

**Answer:** C

#### Explanation:

AWS Database Migration Service (AWS DMS) is a managed and automated service that helps you migrate your databases from your on-premises or cloud

environment to AWS, either as a one-time migration or as a continuous replication. AWS DMS supports migration between 20-plus database and analytics engines, such as PostgreSQL, Oracle, MySQL, SQL Server, MongoDB, Amazon Aurora, Amazon RDS, Amazon Redshift, and Amazon S3. AWS DMS also provides schema conversion and validation tools, as well as monitoring and security features. AWS DMS is a cost-effective and reliable solution for database migration, as you only pay for the compute resources and additional log storage used during the migration process, and you can minimize the downtime and data loss with

Multi-AZ and ongoing replication<sup>12</sup>

To migrate a PostgreSQL database from on-premises to Amazon RDS using AWS DMS, you need to perform the following steps:

? Create an AWS DMS replication instance in the same AWS Region as your target Amazon RDS PostgreSQL DB instance. The replication instance is a server that runs the AWS DMS replication software and connects to your source and target endpoints. You can choose the instance type, storage, and network settings based on your migration requirements<sup>3</sup>

? Create a source endpoint that points to your on-premises PostgreSQL database.

You need to provide the connection details, such as the server name, port, database name, user name, and password. You also need to specify the engine name as postgres and the SSL mode as required<sup>4</sup>

? Create a target endpoint that points to your Amazon RDS PostgreSQL DB instance. You need to provide the connection details, such as the server name, port, database name, user name, and password. You also need to specify the engine name as postgres and the SSL mode as verify-full.

? Create a migration task that defines the migration settings and options, such as the replication instance, the source and target endpoints, the migration type (full load, full load and change data capture, or change data capture only), the table mappings, the task settings, and the task monitoring role. You can also use the AWS Schema Conversion Tool (AWS SCT) to convert your source schema to the target schema and apply it to the target endpoint before or after creating the migration task.

? Start the migration task and monitor its progress and status using the AWS DMS console, the AWS CLI, or the AWS DMS API. You can also use AWS CloudFormation to automate the creation and execution of the migration task.

The other options are not suitable for migrating a PostgreSQL database from on-premises to Amazon RDS. Cloud Adoption Readiness Tool is a tool that helps you assess your readiness for cloud adoption based on six dimensions: business, people, process, platform, operations, and security. It does not perform any database migration tasks. AWS Migration Hub is a service that helps you track and manage the progress of your application migrations across multiple AWS and partner services, such as AWS DMS, AWS Application Migration Service, AWS Server Migration Service, and CloudEndure Migration. It does not perform any database migration tasks itself, but rather integrates with other migration services. AWS Application Migration Service is a service that helps you migrate your applications from your on-premises or cloud environment to AWS without making any changes to the applications, their architecture, or the migrated servers. It does not support database migration, but rather replicates your servers as Amazon Machine Images (AMIs) and launches them as EC2 instances on AWS.

References: AWS Database Migration Service, What is AWS Database Migration Service?, Working with an AWS DMS replication instance, Creating source and target endpoints for PostgreSQL, [Creating a target endpoint for Amazon RDS for PostgreSQL], [Creating a migration task for AWS DMS], [AWS Schema Conversion Tool], [Starting a migration task for AWS DMS], [AWS CloudFormation], [Cloud Adoption Readiness Tool], [AWS Migration Hub], [AWS Application Migration Service]

#### NEW QUESTION 5

- (Topic 3)

A company wants to minimize network latency between its Amazon EC2 instances. The EC2 instances do not need to be highly available. Which solution meets these requirements?

- A. Use EC2 instances in a single Availability Zone.
- B. Use Amazon CloudFront as the database for the EC2 instances.
- C. Use EC2 instances in the same edge location and the same Availability Zone.
- D. Use EC2 instances in the same edge location and the same AWS Region.

**Answer:** A

#### Explanation:

Using EC2 instances in a single Availability Zone is a solution that meets the requirements of minimizing network latency between the EC2 instances and not needing high availability. An Availability Zone is a physically isolated location within an AWS Region that has its own power, cooling, and network connectivity. EC2 instances within the same Availability Zone can communicate with each other using low-latency private IP addresses. However, EC2 instances in a single Availability Zone are not highly available, because they are vulnerable to failures or disruptions that affect the Availability Zone

#### NEW QUESTION 6

- (Topic 3)

Which benefits can customers gain by using AWS Marketplace? (Select TWO.)

- A. Speed of business
- B. Fewer legal objections
- C. Ability to pay with credit cards
- D. No requirement for product licenses for any products
- E. Free use of all services for the first hour

**Answer:** AB

#### Explanation:

AWS Marketplace is a digital catalog that offers thousands of software products and solutions from independent software vendors (ISVs) and AWS partners. Customers can use AWS Marketplace to find, buy, and deploy software on AWS. Some of the benefits of using AWS Marketplace are:

? Speed of business: You can quickly and easily discover and deploy software that meets your business needs, without having to go through lengthy procurement processes. You can also use AWS Marketplace to test and compare different solutions before making a purchase decision.

? Fewer legal objections: You can benefit from standardized contract terms and conditions that are pre-negotiated between AWS and the ISVs. This reduces the time and effort required to review and approve legal agreements.

#### NEW QUESTION 7

- (Topic 3)

A company wants to receive alerts to monitor its overall operating costs for its AWS public cloud infrastructure.

Which AWS offering will meet these requirements?

- A. Amazon EventBridge
- B. Compute Savings Plans
- C. AWS Budgets

D. Migration Evaluator

**Answer:** C

**Explanation:**

AWS Budgets is a service that enables you to plan your service usage, service costs, and instance reservations. You can use AWS Budgets to create custom budgets that alert you when your costs or usage exceed (or are forecasted to exceed) your budgeted amount. You can also use AWS Budgets to monitor how close your usage and costs are to meeting your reservation purchases<sup>1</sup>

**NEW QUESTION 8**

- (Topic 3)

A company has deployed an application in the AWS Cloud. The company wants to ensure that the application is highly resilient. Which component of AWS infrastructure can the company use to meet this requirement?

- A. Content delivery network (CDN)
- B. Edge locations
- C. Wavelength Zones
- D. Availability Zones

**Answer:** D

**Explanation:**

Availability Zones are components of AWS infrastructure that can help the company ensure that the application is highly resilient. Availability Zones are multiple, isolated locations within each AWS Region. Each Availability Zone has independent power, cooling, and physical security, and is connected to the other Availability Zones in the same Region via low-latency, high-throughput, and highly redundant networking. Availability Zones allow you to operate production applications and databases that are more highly available, fault tolerant, and scalable than would be possible from a single data center.

**NEW QUESTION 9**

- (Topic 3)

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

- A. Patch the Amazon RDS operating system.
- B. Upgrade the firmware of the network infrastructure.
- C. Manage data encryption.
- D. Maintain physical access control in an AWS Region.
- E. Grant least privilege access to IAM users.

**Answer:** CE

**Explanation:**

According to the AWS shared responsibility model, the customer is responsible for security in the cloud, which includes the tasks of managing data encryption and granting least privilege access to IAM users. Data encryption is the process of transforming data into an unreadable format that can only be accessed with a key or a password. The customer must decide whether to encrypt their data at rest (when it is stored on AWS) or in transit (when it is moving between AWS and the customer or between AWS services). The customer must also choose the encryption method, algorithm, and key management solution that best suit their needs. AWS provides various services and features that support data encryption, such as AWS Key Management Service (AWS KMS), AWS Certificate Manager (ACM), and AWS Encryption SDK. IAM users are entities that represent the people or applications that interact with AWS resources and services. The customer must grant the IAM users the minimum permissions that they need to perform their tasks, and avoid giving them unnecessary or excessive access. This is known as the principle of least privilege, and it helps reduce the risk of unauthorized or malicious actions. The customer can use IAM policies, roles, groups, and permissions boundaries to manage the access of IAM users.

**NEW QUESTION 10**

- (Topic 3)

Which AWS service can provide a dedicated network connection with consistent low latency from on premises to the AWS Cloud?

- A. Amazon VPC
- B. Amazon Kinesis Data Streams
- C. AWS Direct Connect
- D. Amazon OpenSearch Service

**Answer:** C

**Explanation:**

AWS Direct Connect is a service that provides a dedicated network connection from on premises to the AWS Cloud. It can reduce network costs, increase bandwidth throughput, and provide a more consistent network experience than internet-based connections. It can also provide low latency for applications that require real-time data transfer<sup>4</sup>. Amazon VPC is a service that provides a logically isolated section of the AWS Cloud where users can launch AWS resources in a virtual network that they define. Amazon Kinesis Data Streams is a service that provides a scalable and durable stream of data records for real-time data processing. Amazon OpenSearch Service is a service that provides a fully managed, scalable, and secure search and analytics solution that is compatible with Elasticsearch.

**NEW QUESTION 10**

- (Topic 3)

A company wants to launch its web application in a second AWS Region. The company needs to determine which services must be regionally configured for this launch.

Which AWS services can be configured at the Region level? (Select TWO.)

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon CloudFront
- D. AWS WAF

E. Amazon DynamoDB

**Answer:** BD

**Explanation:**

Amazon Route 53 and AWS WAF are AWS services that can be configured at the Region level. Amazon Route 53 is a highly available and scalable cloud Domain Name System (DNS) web service that lets you register domain names, route traffic to resources, and check the health of your resources. AWS WAF is a web application firewall that helps protect your web applications or APIs against common web exploits that may affect availability, compromise security, or consume excessive resources. Amazon EC2, Amazon CloudFront, and Amazon DynamoDB are AWS services that can be configured at the global level or the Availability Zone level .

**NEW QUESTION 15**

- (Topic 3)

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

**Explanation:**

Amazon EFS is a fully managed service that provides scalable and elastic file storage for multiple Amazon EC2 instances. Amazon EFS supports the Network File System (NFS) protocol, which allows multiple EC2 instances to access the same file system concurrently. You can learn more about Amazon EFS from this webpage or this digital course.

**NEW QUESTION 20**

- (Topic 3)

A company has a large number of Linux Amazon EC2 instances across several Availability Zones in an AWS Region. Applications that run on the EC2 instances need access to a common set of files.

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

- A. AWS Backup
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Block Store (Amazon EBS)
- D. AWS Snowball Edge Storage Optimized

**Answer:** B

**Explanation:**

Amazon Elastic File System (Amazon EFS) is a service that provides a scalable and elastic file system for Linux-based workloads. It can be mounted on multiple Amazon EC2 instances across different Availability Zones within a region, allowing applications to access a common set of files<sup>1</sup>. AWS Backup is a service that provides a centralized and automated way to back up data across AWS services. Amazon Elastic Block Store (Amazon EBS) is a service that provides persistent block storage volumes for Amazon EC2 instances. AWS Snowball Edge Storage Optimized is a device that provides a petabyte-scale data transport and edge computing solution.

**NEW QUESTION 23**

- (Topic 3)

A company needs to control inbound and outbound traffic for an Amazon EC2 instance.

Which AWS service or feature can the company associate with the EC2 instance to meet this requirement?

- A. Network ACL
- B. Security group
- C. AWS WAF
- D. VPC route tables

**Answer:** B

**Explanation:**

A security group is a virtual firewall that can be associated with an Amazon EC2 instance to control the inbound and outbound traffic for the instance. You can specify which protocols, ports, and source or destination IP ranges are allowed or denied by the security group. A network ACL is a stateless filter that can be associated with a subnet to control the traffic to and from the subnet, but it is not associated with an EC2 instance<sup>4</sup>. AWS WAF is a web application firewall that helps protect your web applications or APIs against common web exploits that may affect availability, compromise security, or consume excessive resources. VPC route tables are used to determine where network traffic is directed within a VPC or to an internet gateway, virtual private gateway, NAT device, VPC peering connection, or VPC endpoint.

**NEW QUESTION 25**

- (Topic 3)

Which AWS services can a company use to achieve a loosely coupled architecture? (Select TWO.)

- A. Amazon Workspaces
- B. Amazon Simple Queue Service (Amazon SQS)
- C. Amazon Connect
- D. AWS Trusted Advisor
- E. AWS Step Functions

**Answer:** BE

**Explanation:**

Amazon Simple Queue Service (Amazon SQS) and AWS Step Functions are AWS services that can be used to achieve a loosely coupled architecture. Amazon SQS is a fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications. AWS Step Functions lets you coordinate multiple AWS services into serverless workflows so you can build and update apps quickly. Using Step Functions, you can design and run workflows that stitch together services such as AWS Lambda and Amazon SNS into feature-rich applications. References: Amazon SQS, AWS Step Functions

**NEW QUESTION 28**

- (Topic 3)

What is a customer responsibility when using AWS Lambda according to the AWS shared responsibility model?

- A. Managing the code within the Lambda function
- B. Confirming that the hardware is working in the data center
- C. Patching the operating system
- D. Shutting down Lambda functions when they are no longer in use

**Answer:** A

**Explanation:**

According to the AWS shared responsibility model, AWS is responsible for the security of the cloud, while customers are responsible for the security in the cloud. This means that AWS is responsible for the physical servers, networking, and operating system that run Lambda functions, while customers are responsible for the security of their code and AWS IAM to the Lambda service and within their function<sup>1</sup>. Customers need to manage the code within the Lambda function, such as writing, testing, debugging, deploying, and updating the code, as well as ensuring that the code does not contain any vulnerabilities or malicious code that could compromise the security or performance of the function<sup>23</sup>. References: <sup>2</sup>: AWS Lambda - Amazon Web Services (AWS), <sup>3</sup>: AWS Lambda Documentation, <sup>1</sup>: Amazon CLF-C02: What is customer responsibility under AWS ... - PUPUWEB

**NEW QUESTION 31**

- (Topic 3)

A company wants to design a reliable web application that is hosted on Amazon EC2. Which approach will achieve this goal?

- A. Launch large EC2 instances in the same Availability Zone.
- B. Spread EC2 instances across more than one security group.
- C. Spread EC2 instances across more than one Availability Zone.
- D. Use an Amazon Machine Image (AMI) from AWS Marketplace.

**Answer:** C

**Explanation:**

The approach that will achieve the goal of designing a reliable web application that is hosted on Amazon EC2 is to spread EC2 instances across more than one Availability Zone. An Availability Zone is a physically isolated location within an AWS Region that has its own power, cooling, and network connectivity. By spreading EC2 instances across multiple Availability Zones, users can increase the fault tolerance and availability of their web applications, as well as reduce latency for end users<sup>2</sup>. Launching large EC2 instances in the same Availability Zone, spreading EC2 instances across more than one security group, or using an Amazon Machine Image (AMI) from AWS Marketplace are not sufficient to ensure reliability, as they do not provide redundancy or resilience in case of an outage in one Availability Zone.

**NEW QUESTION 32**

- (Topic 3)

A company wants an AWS service to provide product recommendations based on its customer data. Which AWS service will meet this requirement?

- A. Amazon Polly
- B. Amazon Personalize
- C. Amazon Comprehend
- D. Amazon Rekognition

**Answer:** B

**Explanation:**

Amazon Personalize is an AWS service that helps developers quickly build and deploy a custom recommendation engine with real-time personalization and user segmentation<sup>1</sup>. It uses machine learning (ML) to analyze customer data and provide relevant recommendations based on their preferences, behavior, and context. Amazon Personalize can be used for various use cases such as optimizing recommendations, targeting customers more accurately, maximizing the value of unstructured text, and promoting items using business rules<sup>1</sup>.

The other options are not suitable for providing product recommendations based on customer data. Amazon Polly is a service that converts text into lifelike speech. Amazon Comprehend is a service that uses natural language processing (NLP) to extract insights from text and documents. Amazon Rekognition is a service that uses computer vision (CV) to analyze images and videos for faces, objects, scenes, and activities.

References:

- ? 1: Cloud Products - Amazon Web Services (AWS)
- ? 2: Recommender System – Amazon Personalize – Amazon Web Services
- ? 3: Top 25 AWS Services List 2023 - GeeksforGeeks
- ? 4: AWS to Azure services comparison - Azure Architecture Center
- ? 5: The 25+ Best AWS Cost Optimization Tools (Updated 2023) - CloudZero
- ? 6: Amazon Polly – Text-to-Speech Service - AWS
- ? 7: Natural Language Processing - Amazon Comprehend - AWS
- ? 8: Image and Video Analysis - Amazon Rekognition - AWS

**NEW QUESTION 36**

- (Topic 3)

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

- A. Configure the AWS provided security group firewall.
- B. Classify company assets in the AWS Cloud.
- C. Determine which Availability Zones to use for Amazon S3 buckets.
- D. Patch or upgrade Amazon DynamoDB.
- E. Select Amazon EC2 instances to run AWS Lambda on.
- F. AWS Config

**Answer:** AB

**Explanation:**

According to the AWS shared responsibility model, the customer is responsible for security in the cloud, which includes the tasks of configuring the AWS provided security group firewall and classifying company assets in the AWS Cloud. A security group is a virtual firewall that controls the inbound and outbound traffic for one or more EC2 instances. The customer must configure the security group rules to allow or deny traffic based on protocol, port, or source and destination IP address. Classifying company assets in the AWS Cloud means identifying the types, categories, and sensitivity levels of the data and resources that the customer stores and processes on AWS. The customer must also determine the applicable compliance requirements and regulations that apply to their assets, and implement the appropriate security controls and measures to protect them.

**NEW QUESTION 38**

- (Topic 3)

A company needs to implement identity management for a fleet of mobile apps that are running in the AWS Cloud. Which AWS service will meet this requirement?

- A. Amazon Cognito
- B. AWS Security Hub
- C. AWS Shield
- D. AWS WAF

**Answer:** A

**Explanation:**

Amazon Cognito is a service that provides identity management for mobile and web applications, allowing users to sign up, sign in, and access AWS resources with different identity providers. AWS Security Hub is a service that provides a comprehensive view of the security posture of AWS accounts and resources. AWS Shield is a service that provides protection against distributed denial of service (DDoS) attacks. AWS WAF is a web application firewall that helps protect web applications from common web exploits.

**NEW QUESTION 43**

- (Topic 3)

Which AWS service can a company use to find security and compliance reports, including International Organization for Standardization (ISO) reports?

- A. AWS Artifact
- B. Amazon CloudWatch
- C. AWS Config
- D. AWS Audit Manager

**Answer:** A

**Explanation:**

AWS Artifact is a self-service portal that provides on-demand access to AWS security and compliance reports and select online agreements. You can use AWS Artifact to download AWS service audit reports, such as ISO, PCI, and SOC, and to accept and manage agreements with AWS, such as the Business Associate Addendum (BAA).

**NEW QUESTION 44**

- (Topic 3)

A company has migrated its workloads to AWS. The company wants to adopt AWS at scale and operate more efficiently and securely. Which AWS service or framework should the company use for operational support?

- A. AWS Support
- B. AWS Cloud Adoption Framework (AWS CAF)
- C. AWS Managed Services (AMS)
- D. AWS Well-Architected Framework

**Answer:** D

**Explanation:**

The AWS Well-Architected Framework is a set of best practices and guidelines for designing and operating workloads on AWS. It helps customers achieve operational excellence, security, reliability, performance efficiency, cost optimization, and sustainability. The framework is based on six pillars, each with its own design principles, best practices, and questions. Customers can use the framework to assess their current state, identify gaps, and implement improvements. AWS Support is a service that provides technical assistance, guidance, and resources for AWS customers. It offers different plans with varying levels of access to AWS experts, response times, and features. AWS Support does not provide a comprehensive framework for operational support. AWS Cloud Adoption Framework (AWS CAF) is a guidance tool that helps customers plan and execute their cloud migration journey. It provides a set of perspectives, capabilities, and best practices to align the business and technical aspects of cloud adoption. AWS CAF does not focus on operational support for existing workloads on AWS. AWS Managed Services (AMS) is a service that operates AWS infrastructure on behalf of customers. It provides a secure and compliant environment, automates common activities, and applies best practices for provisioning, patching, backup, recovery, and monitoring. AMS does not provide a framework for customers to operate their own workloads on AWS.

**NEW QUESTION 46**

- (Topic 3)

Which AWS Cloud Adoption Framework (AWS CAF) capability belongs to the people perspective?

- A. Data architecture
- B. Event management
- C. Cloud fluency
- D. Strategic partnership

**Answer:** C

**Explanation:**

Cloud fluency is a capability that belongs to the people perspective of the AWS Cloud Adoption Framework (AWS CAF). Cloud fluency is the ability of the workforce to understand the benefits, challenges, and best practices of cloud computing, and to apply them to their roles and responsibilities. Cloud fluency helps the organization to adopt a cloud mindset, culture, and skills, and to leverage the full potential of the cloud. Cloud fluency can be achieved through various methods, such as training, certification, mentoring, coaching, and hands-on experience. Cloud fluency is one of the four capabilities of the people perspective, along with culture, organizational structure, and leadership. The other three capabilities belong to different perspectives of the AWS CAF. Data architecture is a capability of the platform perspective, which helps you design and implement data solutions that meet your business and technical requirements. Event management is a capability of the operations perspective, which helps you monitor and respond to events that affect the availability, performance, and security of your cloud resources. Strategic partnership is a capability of the business perspective, which helps you establish and maintain relationships with external stakeholders, such as customers, partners, suppliers, and regulators, to create value and achieve your business goals. References: AWS Cloud Adoption Framework: People Perspective, AWS CAF - Cloud Adoption Framework - W3Schools

**NEW QUESTION 50**

- (Topic 3)

Which option is AWS responsible for under the AWS shared responsibility model?

- A. Network and firewall configuration
- B. Client-side data encryption
- C. Management of user permissions
- D. Hardware and infrastructure

**Answer:** D

**Explanation:**

Hardware and infrastructure is the option that AWS is responsible for under the AWS shared responsibility model. The AWS shared responsibility model describes how AWS and customers share responsibilities for security and compliance in the cloud. AWS is responsible for security of the cloud, which means protecting the infrastructure that runs all the services offered in the AWS Cloud. This infrastructure is composed of the hardware, software, networking, and facilities that run AWS Cloud services. Customers are responsible for security in the cloud, which means taking care of the security of their own applications, data, and operating systems. This includes network and firewall configuration, client-side data encryption, management of user permissions, and more.

**NEW QUESTION 55**

- (Topic 3)

A company must be able to develop, test, and launch an application in the AWS Cloud quickly.

Which advantage of cloud computing will meet these requirements?

- A. Stop guessing capacity
- B. Trade fixed expense for variable expense
- C. Achieve economies of scale
- D. Increase speed and agility

**Answer:** D

**Explanation:**

One of the benefits of cloud computing is that it enables customers to increase speed and agility in developing, testing, and launching applications. Cloud computing provides on-demand access to a variety of IT resources, such as compute, storage, networking, databases, and analytics, without requiring upfront investments or long-term commitments. Customers can provision and release resources in minutes, scale up and down as needed, and experiment with new technologies and features. This allows customers to accelerate their innovation cycles, deliver faster time-to-market, and respond to changing customer needs and demands

**NEW QUESTION 56**

- (Topic 3)

A company wants to allow users to authenticate and authorize multiple AWS accounts by using a single set of credentials.

Which AWS service or resource will meet this requirement?

- A. AWS Organizations
- B. IAM user
- C. AWS IAM Identity Center (AWS Single Sign-On)
- D. AWS Control Tower

**Answer:** C

**Explanation:**

AWS IAM Identity Center (AWS Single Sign-On) is a cloud-based service that makes it easy to centrally manage single sign-on (SSO) access to multiple AWS accounts and business applications. You can use AWS SSO to enable your users to sign in to the AWS Management Console or the AWS Command Line Interface (AWS CLI) with their existing corporate credentials<sup>2</sup>. You can also manage SSO access and user permissions across all your AWS accounts in AWS Organizations<sup>3</sup>. References: AWS Single Sign-On - AWS Documentation, AWS Organizations - AWS Documentation

**NEW QUESTION 59**

- (Topic 3)

What does the concept of agility mean in AWS Cloud computing? (Select TWO.)

- A. The speed at which AWS resources are implemented
- B. The speed at which AWS creates new AWS Regions
- C. The ability to experiment quickly
- D. The elimination of wasted capacity
- E. The low cost of entry into cloud computing

**Answer:** AC

**Explanation:**

Agility in AWS Cloud computing means the ability to rapidly provision and deprovision AWS resources as needed, and the ability to experiment quickly with new ideas and solutions. Agility helps businesses to respond to changing customer demands, market opportunities, and competitive threats, and to innovate faster and cheaper. Agility also reduces the risk of failure, as businesses can test and validate their assumptions before committing to large-scale deployments. Some of the benefits of agility in AWS Cloud computing are:

? The speed at which AWS resources are implemented: AWS provides a variety of services and tools that allow you to create, configure, and launch AWS resources in minutes, using the AWS Management Console, the AWS Command Line Interface (AWS CLI), the AWS Software Development Kits (AWS SDKs), or the AWS CloudFormation templates. You can also use the AWS Cloud Development Kit (AWS CDK) to define your AWS resources as code using familiar programming languages, and synthesize them into AWS CloudFormation templates. You can also use the AWS Service Catalog to create and manage standardized portfolios of AWS resources that meet your organizational policies and best practices. AWS also offers on-demand, pay-as-you-go pricing models, so you only pay for the resources you use, and you can scale them up or down as your needs change<sup>12345</sup>

? The ability to experiment quickly: AWS enables you to experiment quickly with new ideas and solutions, without having to invest in upfront capital or long-term commitments. You can use AWS to create and test multiple prototypes, hypotheses, and minimum viable products (MVPs) in parallel, and measure their performance and feedback. You can also use AWS to leverage existing services and solutions, such as AWS Marketplace, AWS Solutions, and AWS Quick Starts, that can help you accelerate your innovation process. AWS also supports a culture of experimentation and learning, by providing tools and resources for continuous integration and delivery (CI/CD), testing, monitoring, and analytics.

References: Six advantages of cloud computing - Overview of Amazon Web Services, AWS Cloud Development Kit (AWS CDK), AWS Service Catalog, AWS Pricing, AWS CloudFormation, [Experimentation and Testing - AWS Well-Architected Framework], [AWS Marketplace], [AWS Solutions], [AWS Quick Starts], [AWS Developer Tools]

**NEW QUESTION 64**

- (Topic 3)

A company plans to migrate to the AWS Cloud. The company wants to use the AWS Cloud Adoption Framework (AWS CAF) to define and track business outcomes as part of its cloud transformation journey.

Which AWS CAF governance perspective capability will meet these requirements?

- A. Benefits management
- B. Risk management
- C. Application portfolio management
- D. Cloud financial management

**Answer:** A

**Explanation:**

The correct answer is A. Benefits management.

Benefits management is the AWS CAF governance perspective capability that helps you define and track business outcomes as part of your cloud transformation journey. Benefits management helps you align your cloud initiatives with your business objectives, measure the value and impact of your cloud investments, and communicate the benefits of cloud adoption to your stakeholders<sup>12</sup>.

Risk management is the AWS CAF governance perspective capability that helps you identify and mitigate the potential risks associated with cloud adoption, such as security, compliance, legal, and operational risks<sup>12</sup>.

Application portfolio management is the AWS CAF governance perspective capability that helps you assess and optimize your existing application portfolio for cloud migration or modernization. Application portfolio management helps you categorize your applications based on their business value and technical fit, prioritize them for cloud adoption, and select the best migration or modernization strategy for each application<sup>12</sup>.

Cloud financial management is the AWS CAF governance perspective capability that helps you manage and optimize the costs and value of your cloud resources. Cloud financial management helps you plan and budget for cloud adoption, track and allocate cloud costs, implement cost optimization strategies, and report on cloud financial performance<sup>12</sup>. References:

1: AWS Cloud Adoption Framework: Governance Perspective 2: All you need to know about AWS Cloud Adoption Framework — Governance Perspective

**NEW QUESTION 69**

- (Topic 3)

A company is building an application that needs to deliver images and videos globally with minimal latency.

Which approach can the company use to accomplish this in a cost effective manner?

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

**Answer:** A

**Explanation:**

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. It works seamlessly with services including AWS Shield for DDoS mitigation, Amazon S3, Elastic Load Balancing or Amazon EC2 as origins for your applications, and Lambda@Edge to run custom code closer to customers' users and to customize the user experience. By using CloudFront, you can cache your content at the edge locations that are closest to your end users, reducing the network latency and improving the performance of your application. CloudFront also offers a pay-as-you-go pricing model, so you only pay for the data transfer and requests that you use.

**NEW QUESTION 71**

- (Topic 3)

Which task does AWS perform automatically?

- A. Encrypt data that is stored in Amazon DynamoDB.
- B. Patch Amazon EC2 instances.
- C. Encrypt user network traffic.
- D. Create TLS certificates for users' websites.

**Answer: B**

**Explanation:**

AWS performs some tasks automatically to help you manage and secure your AWS resources. One of these tasks is patching Amazon EC2 instances. AWS provides two options for patching your EC2 instances: managed instances and patch baselines. Managed instances are a group of EC2 instances or on-premises servers that you can manage using AWS Systems Manager. Patch baselines define the patches that AWS Systems Manager applies to your instances. You can use AWS Systems Manager to automate the process of patching your instances based on a schedule or a maintenance window.

**NEW QUESTION 74**

- (Topic 3)

A company is assessing its AWS Business Support plan to determine if the plan still meets the company's needs. The company is considering switching to AWS Enterprise Support.

Which additional benefit will the company receive with AWS Enterprise Support?

- A. A full set of AWS Trusted Advisor checks
- B. Phone, email, and chat access to cloud support engineers 24 hours a day, 7 days a week
- C. A designated technical account manager (TAM) to assist in monitoring and optimization
- D. A consultative review and architecture guidance for the company's applications

**Answer: C**

**Explanation:**

AWS Enterprise Support provides customers with a designated technical account manager (TAM) who is a single point of contact for all technical and operational issues. The TAM provides consultative architectural and operational guidance delivered in the context of the customer's applications and use-cases to help them achieve the greatest value from AWS. The TAM also helps customers with proactive services, such as strategic business reviews, security improvement programs, guided Well-Architected reviews, cost optimization workshops, and more<sup>1</sup>.

A full set of AWS Trusted Advisor checks is not an additional benefit of AWS Enterprise Support, as it is also included in the AWS Business Support plan<sup>2</sup>. AWS Trusted Advisor is a tool that provides best practice recommendations for cost optimization, performance, security, fault tolerance, and service limits.

Phone, email, and chat access to cloud support engineers 24 hours a day, 7 days a week is not an additional benefit of AWS Enterprise Support, as it is also included in the AWS Business Support plan<sup>2</sup>. Cloud support engineers can help customers with technical issues, such as troubleshooting, configuration, usage, and service features.

A consultative review and architecture guidance for the company's applications is not an additional benefit of AWS Enterprise Support, as it is also included in the AWS Business Support plan<sup>2</sup>. Customers can request a consultative review from a solutions architect who will provide best practices and recommendations based on the customer's use-cases and goals.

**NEW QUESTION 75**

- (Topic 3)

A company wants a customized assessment of its current on-premises environment. The company wants to understand its projected running costs in the AWS Cloud.

Which AWS service or tool will meet these requirements?

- A. AWS Trusted Advisor
- B. Amazon Inspector
- C. AWS Control Tower
- D. Migration Evaluator

**Answer: D**

**Explanation:**

Migration Evaluator is an AWS service that provides a customized assessment of your current on-premises environment and helps you build a data-driven business case for migration to AWS. Migration Evaluator collects and analyzes data from your on-premises servers, such as CPU, memory, disk, network, and utilization metrics, and compares them with the most cost-effective AWS alternatives. Migration Evaluator also helps you understand your existing software licenses and running costs, and provides recommendations for Bring Your Own License (BYOL) and License Included (LI) options in AWS. Migration Evaluator generates a detailed report that shows your projected running costs in the AWS Cloud, along with potential savings and benefits. You can use this report to support your decision-making and planning for cloud migration. References: Cloud Business Case & Migration Plan - Amazon Migration Evaluator - AWS, Getting started with Migration Evaluator

**NEW QUESTION 79**

- (Topic 3)

Which AWS service or feature is an example of a relational database management system?

- A. Amazon Athena
- B. Amazon Redshift
- C. Amazon S3 Select
- D. Amazon Kinesis Data Streams

**Answer: B**

**Explanation:**

Amazon Redshift is a fully managed, petabyte-scale data warehouse service in the cloud. You can start with just a few hundred gigabytes of data and scale to a petabyte or more. This enables you to use your data to acquire new insights for your business and customers. Amazon Redshift is a relational database management system (RDBMS), so it is compatible with other RDBMS applications. You can use standard SQL to query the data.

**NEW QUESTION 81**

- (Topic 3)

Which benefit does AWS offer exclusively to users who have an AWS Enterprise Support plan?

- A. Access to a technical project manager
  - B. Access to a technical account manager (TAM)
  - C. Access to a cloud support engineer
  - D. Access to a solutions architect
- A company wants to automatically set up and govern a multi-account AWS environment.

**Answer: B**

**Explanation:**

AWS Enterprise Support plan is the highest level of support that AWS offers to its customers. One of the exclusive benefits of this plan is the access to a technical account manager (TAM), who is a dedicated point of contact for guidance, advocacy, and support<sup>2</sup>. A technical project manager, a cloud support engineer, and a solutions architect are not exclusive benefits of the AWS Enterprise Support plan, as they are also available to customers with lower-tier support plans or through other AWS services or programs<sup>3,4,5</sup>.

**NEW QUESTION 86**

- (Topic 3)

A company is building an application in the AWS Cloud. The company wants to use temporary credentials for the application to access other AWS resources. Which AWS service will meet these requirements?

- A. AWS Key Management Service (Aws KMS)
- B. AWS CloudHSM
- C. Amazon Cognito
- D. AWS Security Token Service (Aws STS)

**Answer: D**

**Explanation:**

AWS Security Token Service (AWS STS) is a service that provides temporary security credentials to users or applications that need to access AWS resources. The temporary credentials have a limited lifetime and can be configured to last from a few minutes to several hours. The credentials are not stored with the user or application, but are generated dynamically and provided on request. The credentials work almost identically to long-term access key credentials, but have the advantage of not requiring distribution, rotation, or revocation<sup>1</sup>.

AWS Key Management Service (AWS KMS) is a service that provides encryption and decryption services for data and keys. It does not provide temporary security credentials<sup>2</sup>. AWS CloudHSM is a service that provides hardware security modules (HSMs) for cryptographic operations and key management. It does not provide temporary security credentials<sup>3</sup>.

Amazon Cognito is a service that provides user authentication and authorization for web and mobile applications. It can also provide temporary security credentials for authenticated users, but not for applications<sup>4</sup>.

**NEW QUESTION 87**

- (Topic 3)

A company wants to create a globally accessible ecommerce platform for its customers. The company wants to use a highly available and scalable DNS web service to connect users to the platform. Which AWS service will meet these requirements?

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

**Answer: C**

**Explanation:**

Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service that can route internet traffic to the company's ecommerce platform<sup>1</sup>. Route 53 can also register domain names, check the health of resources, and provide global DNS features<sup>2</sup>. Route 53 can connect users to the platform by translating human-readable names like `www.example.com` into the numeric IP addresses that computers use to communicate with each other<sup>2</sup>.

References: 1: Amazon Route 53 | DNS Service | AWS; 2: What is Amazon Route 53? - Amazon Route 53

**NEW QUESTION 90**

- (Topic 3)

Which AWS service or feature will search for and identify AWS resources that are shared externally?

- A. Amazon OpenSearch Service
- B. AWS Control Tower
- C. AWS IAM Access Analyzer
- D. AWS Fargate

**Answer: C**

**Explanation:**

AWS IAM Access Analyzer is an AWS service that helps customers identify and review the resources in their AWS account that are shared with an external entity, such as another AWS account, a root user, an organization, or a public entity. AWS IAM Access Analyzer uses automated reasoning, a form of mathematical logic and inference, to analyze the resource-based policies in the account and generate comprehensive findings that show the access level, the source of the access, the affected resource, and the condition under which the access applies. Customers can use AWS IAM Access Analyzer to audit their shared resources, validate their access policies, and monitor any changes to the resource sharing status. References: AWS IAM Access Analyzer, Identify and review resources shared with external entities, How AWS IAM Access Analyzer works

**NEW QUESTION 93**

- (Topic 3)

A company is moving an on-premises data center to the AWS Cloud. The company must migrate 50 petabytes of file storage data to AWS with the least possible operational overhead.

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

- A. AWS Snowmobile
- B. AWS Snowball Edge
- C. AWS Data Exchange
- D. AWS Database Migration Service (AWS DMS)

**Answer:** A

**Explanation:**

The AWS service that the company should use to meet these requirements is A. AWS Snowmobile.

AWS Snowmobile is a service that allows you to migrate large amounts of data to AWS using a 45-foot long ruggedized shipping container that can store up to 100 petabytes of data. AWS Snowmobile is designed for situations where you need to move massive amounts of data to the cloud in a fast, secure, and cost-effective way. AWS Snowmobile has the least possible operational overhead because it eliminates the need to buy, configure, or manage hundreds or thousands of storage devices<sup>12</sup>.

AWS Snowball Edge is a service that allows you to migrate data to AWS using a physical device that can store up to 80 terabytes of data and has compute and storage capabilities to run applications on the device. AWS Snowball Edge is suitable for situations where you have limited or intermittent network connectivity, or where bandwidth costs are high. However, AWS Snowball Edge has more operational overhead than AWS Snowmobile because you need to request multiple devices and transfer your data onto them using the client<sup>3</sup>.

AWS Data Exchange is a service that allows you to find, subscribe to, and use third-party data in the cloud. AWS Data Exchange is not a data migration service, but rather a data marketplace that enables data providers and data consumers to exchange data sets securely and efficiently<sup>4</sup>.

AWS Database Migration Service (AWS DMS) is a service that helps migrate databases to AWS. AWS DMS does not migrate file storage data, but rather supports various database platforms and engines as sources and targets<sup>5</sup>.

References:

1: AWS Snowmobile – Move Exabytes of Data to the Cloud in Weeks 2: AWS Snowmobile

- Amazon Web Services 3: Automated Software Vulnerability Management - Amazon Inspector - AWS 4: AWS Data Exchange - Find, subscribe to, and use third-party data in ... 5: AWS Database Migration Service – Amazon Web Services

**NEW QUESTION 97**

- (Topic 3)

A company wants to migrate its PostgreSQL database to AWS. The company does not use the database frequently.

Which AWS service or resource will meet these requirements with the LEAST management overhead?

- A. PostgreSQL on Amazon EC2
- B. Amazon RDS for PostgreSQL
- C. Amazon Aurora PostgreSQL-Compatible Edition
- D. Amazon Aurora Serverless

**Answer:** D

**Explanation:**

Amazon Aurora Serverless is an on-demand, auto-scaling configuration for Amazon Aurora PostgreSQL-Compatible Edition. It is a fully managed service that automatically scales up and down based on the application's actual needs. Amazon Aurora Serverless is suitable for applications that have infrequent, intermittent, or unpredictable database workloads, and that do not require the full power and range of options provided by provisioned Aurora clusters. Amazon Aurora Serverless eliminates the need to provision and manage database instances, and reduces the management overhead associated with database administration tasks such as scaling, patching, backup, and recovery. References: Amazon Aurora Serverless, Choosing between Aurora Serverless and provisioned Aurora DB clusters, [AWS Cloud Practitioner Essentials: Module 4 - Databases in the Cloud]

**NEW QUESTION 98**

- (Topic 3)

A company wants an automated process to continuously scan its Amazon EC2 instances for software vulnerabilities.

Which AWS service will meet these requirements?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. Amazon Detective
- D. Amazon Cognito

**Answer:** B

**Explanation:**

Amazon Inspector is the AWS service that can be used to perform vulnerability scans on AWS EC2 instances for software vulnerabilities automatically in a periodic fashion. Amazon Inspector automatically discovers EC2 instances and scans them for software vulnerabilities and unintended network exposure. Amazon Inspector uses AWS Systems Manager (SSM) and the SSM Agent to collect information about the software application inventory of the EC2 instances. This data is then scanned by Amazon Inspector for software vulnerabilities<sup>12</sup>. Amazon Inspector also integrates with other AWS services, such as Amazon EventBridge and AWS Security Hub, to automate discovery, expedite vulnerability routing, and shorten mean time to remediate (MTTR) vulnerabilities<sup>2</sup>.

**NEW QUESTION 99**

- (Topic 3)

Which AWS services make use of global edge locations'? (Select TWO.)

- A. AWS Fargate
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. AWS Wavelength
- E. Amazon VPC

**Answer:** BC

**Explanation:**

Amazon CloudFront and AWS Global Accelerator are two AWS services that make use of global edge locations. Edge locations are AWS sites that are deployed worldwide in major cities and places with a high population. Edge locations are used to cache data and reduce latency for end-user access<sup>1</sup>. Amazon CloudFront is a content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds. Amazon CloudFront uses a global network of over 200 edge locations and 13 regional edge caches to cache your content closer to your viewers, improving performance and reducing costs<sup>23</sup>.

AWS Global Accelerator is a networking service that improves the availability and performance of your applications with local or global users. AWS Global Accelerator uses the AWS global network to route user traffic to the optimal endpoint based on health, performance, and policies. AWS Global Accelerator uses over 100 edge locations to bring your application endpoints closer to your users, reducing network hops and improving user experience<sup>45</sup>. References: 1: AWS for the Edge - Amazon Web Services (AWS), 2: Content Delivery Network (CDN) - Amazon CloudFront - AWS, 3: Amazon CloudFront Documentation, 4: AWS Global Accelerator - Amazon Web Services, 5: AWS Global Accelerator Documentation

**NEW QUESTION 103**

- (Topic 3)

How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases

**Answer: C**

**Explanation:**

The AWS Enterprise Support Concierge team is a group of billing and account experts who specialize in working with enterprise customers. They can help customers with questions about billing, account management, cost optimization, and other non-technical issues. They can also assist customers with navigating and optimizing their AWS environment, such as setting up consolidated billing, applying for service limit increases, or requesting refunds. References:

? AWS Support Plan Comparison

? AWS Enterprise Support Plan

? Answer Explained: Which AWS Support plan provides access to AWS Concierge Support team for account assistance?

**NEW QUESTION 105**

- (Topic 3)

Which option is an AWS Cloud Adoption Framework (AWS CAF) foundational capability for the operations perspective?

- A. Performance and capacity management
- B. Application portfolio management
- C. Identity and access management
- D. Product management

**Answer: C**

**Explanation:**

Identity and access management is one of the foundational capabilities for the operations perspective of the AWS Cloud Adoption Framework (AWS CAF). It involves managing the identities, roles, permissions, and credentials of users and systems that interact with AWS resources. Performance and capacity management is a capability for the platform perspective. Application portfolio management is a capability for the business perspective. Product management is a capability for the governance perspective.

**NEW QUESTION 107**

- (Topic 3)

A company must archive Amazon S3 data that the company's business units no longer need to access.

Which S3 storage class will meet this requirement MOST cost-effectively?

- A. S3 Glacier Instant Retrieval
- B. S3 Glacier Flexible Retrieval
- C. S3 Glacier Deep Archive
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Answer: C**

**Explanation:**

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers — particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors — that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. Customers can store large amounts of data at a very low cost, and reliably access it with a wait time of 12 hours<sup>3</sup>.

**NEW QUESTION 110**

- (Topic 3)

Which AWS service offers object storage?

- A. Amazon RDS
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon S3
- D. Amazon DynamoDB

**Answer: C**

**Explanation:**

Amazon S3 is the AWS service that offers object storage. Object storage is a technology that stores and manages data in an unstructured format called objects. Each object consists of the data, metadata, and a unique identifier. Object storage is ideal for storing large amounts of unstructured data, such as photos, videos, email, web pages, sensor data, and audio files<sup>1</sup>. Amazon S3 provides industry-leading scalability, data availability, security, and performance for object storage<sup>2</sup>. Amazon RDS is the AWS service that offers relational database storage. Relational database storage is a technology that stores and manages data in a structured format called tables. Each table consists of rows and columns that define the attributes and values of the data. Relational database storage is ideal for storing structured or semi-structured data, such as customer records, inventory, transactions, and analytics<sup>3</sup>.

Amazon Elastic File System (Amazon EFS) is the AWS service that offers file storage. File storage is a technology that stores and manages data in a hierarchical format called files and folders. Each file consists of the data and metadata, and each folder consists of files or subfolders. File storage is ideal for storing shared data that can be accessed by multiple users or applications, such as home directories, content repositories, media libraries, and configuration files<sup>4</sup>.

Amazon DynamoDB is the AWS service that offers NoSQL database storage. NoSQL database storage is a technology that stores and manages data in a flexible format called documents or key-value pairs. Each document or key-value pair consists of the data and metadata, and can have different attributes and values depending on the schema. NoSQL database storage is ideal for storing dynamic or unstructured data that requires high performance, scalability, and availability, such as web applications, social media, gaming, and IoT.

**NEW QUESTION 114**

- (Topic 3)

A company needs to block SQL injection attacks.

Which AWS service or feature can meet this requirement?

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

**Answer:** A

**Explanation:**

AWS WAF is a web application firewall that helps protect web applications from common web exploits, such as SQL injection attacks. It allows customers to create custom rules that block malicious requests. AWS Shield is a managed service that protects against distributed denial of service (DDoS) attacks, not SQL injection attacks. Network ACLs and security groups are network-level security features that filter traffic based on IP addresses and ports, not web requests or SQL queries. References: [AWS WAF], [AWS Shield], [Network ACLs], [Security groups]

**NEW QUESTION 117**

- (Topic 3)

Which of the following is a fully managed MySQL-compatible database?

- A. Amazon S3
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Aurora

**Answer:** D

**Explanation:**

Amazon Aurora is a fully managed MySQL-compatible database that combines the performance and availability of traditional enterprise databases with the simplicity and cost-effectiveness of open-source databases. Amazon Aurora is part of the Amazon Relational Database Service (Amazon RDS) family, which means it inherits the benefits of a fully managed service, such as automated backups, patches, scaling, monitoring, and security. Amazon Aurora also offers up to five times the throughput of standard MySQL, as well as high availability, durability, and fault tolerance with up to 15 read replicas, cross-Region replication, and self-healing storage. Amazon Aurora is compatible with the latest versions of MySQL, as well as PostgreSQL, and supports various features and integrations that enhance its functionality and usability<sup>123</sup> References: Amazon Aurora, Amazon RDS, AWS — Amazon Aurora Overview

**NEW QUESTION 121**

- (Topic 3)

A company wants to automatically add and remove Amazon EC2 instances. The company wants the EC2 instances to adjust to varying workloads dynamically. Which service or feature will meet these requirements?

- A. Amazon DynamoDB
- B. Amazon EC2 Spot Instances
- C. AWS Snow Family
- D. Amazon EC2 Auto Scaling

**Answer:** D

**Explanation:**

Amazon EC2 Auto Scaling is a service that helps you maintain application availability and allows you to automatically add or remove EC2 instances according to definable conditions. You can create collections of EC2 instances, called Auto Scaling groups, and specify the minimum and maximum number of instances in each group. You can also define scaling policies that adjust the number of instances based on the demand on your application. Amazon EC2 Auto Scaling helps you improve the performance, reliability, and cost-efficiency of your EC2 workloads<sup>123</sup>. References: 1: VDI Desktops - Amazon WorkSpaces Family - AWS, 2: What is Amazon EC2 Auto Scaling? - Amazon EC2 Auto Scaling, 3: Discover Amazon EC2 Auto Scaling Unit | Salesforce Trailhead

**NEW QUESTION 125**

- (Topic 3)

A developer who has no AWS Cloud experience wants to use AWS technology to build a web application.

Which AWS service should the developer use to start building the application?

- A. Amazon SageMaker

- B. AWS Lambda
- C. Amazon Lightsail
- D. Amazon Elastic Container Service (Amazon ECS)

**Answer:** C

**Explanation:**

Amazon Lightsail is an easy-to-use cloud platform that offers everything you need to build an application or website, plus a cost-effective, monthly plan<sup>1</sup>. It is designed for developers who have little or no prior cloud experience and want to launch and manage applications on AWS with minimal complexity<sup>2</sup>. Amazon SageMaker is a service for building, training, and deploying machine learning models<sup>3</sup>. AWS Lambda is a service that lets you run code without provisioning or managing servers<sup>4</sup>. Amazon Elastic Container Service (Amazon ECS) is a fully managed container orchestration service.

**NEW QUESTION 129**

- (Topic 3)

Which AWS Support plan is the minimum recommended tier for users who have production workloads on AWS?

- A. AWS Developer Support
- B. AWS Enterprise Support
- C. AWS Business Support
- D. AWS Enterprise On-Ramp Support

**Answer:** C

**Explanation:**

AWS Business Support is the minimum recommended tier for users who have production workloads on AWS. AWS Business Support provides 24x7 access to cloud support engineers via phone, chat, or email, as well as a guaranteed response time of less than one hour for urgent issues. AWS Business Support also includes access to AWS Trusted Advisor, a tool that provides real-time guidance to help you provision your resources following AWS best practices<sup>4</sup>.

**NEW QUESTION 134**

- (Topic 3)

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

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

**Answer:** C

**Explanation:**

AWS Outposts is a service that delivers AWS infrastructure and services to virtually any on-premises or edge location for a truly consistent hybrid experience. AWS Outposts allows you to extend and run native AWS services on premises, and is available in a variety of form factors, from 1U and 2U Outposts servers to 42U Outposts racks, and multiple rack deployments. With AWS Outposts, you can run some AWS services locally and connect to a broad range of services available in the local AWS Region. Run applications and workloads on premises using familiar AWS services, tools, and APIs<sup>2</sup>. AWS Outposts is the only AWS service that supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co-location environments, or on-premises facilities. References: On-Premises Infrastructure - AWS Outposts Family

**NEW QUESTION 139**

- (Topic 3)

A company has a centralized group of users with large file storage requirements that have exceeded the space available on premises. The company wants to extend its file storage capabilities for this group while retaining the performance benefit of sharing content locally. What is the MOST operationally efficient AWS solution for this scenario?

- A. Create an Amazon S3 bucket for each use
- B. Mount each bucket by using an S3 file system mounting utility.
- C. Configure and deploy an AWS Storage Gateway file gateway
- D. Connect each user's workstation to the file gateway.
- E. Move each user's working environment to Amazon Workspace
- F. Set up an Amazon WorkDocs account for each user.
- G. Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS volume
- H. Share the EBS volume directly with the users.

**Answer:** B

**Explanation:**

AWS Storage Gateway is a hybrid cloud storage service that allows you to extend your on-premises file storage capabilities to the AWS Cloud. AWS Storage Gateway file gateway enables you to store and access your files in Amazon S3 using industry-standard file protocols such as NFS and SMB. File gateway caches frequently accessed files locally, providing low-latency access to your data. File gateway also optimizes the transfer of data between your on-premises environment and AWS, minimizing the amount of bandwidth consumed. By using file gateway, you can retain the performance benefit of sharing content locally while leveraging the scalability, durability, and cost-effectiveness of Amazon S3. References: AWS Storage Gateway, File Gateway

**NEW QUESTION 144**

- (Topic 3)

A company wants to build a new web application by using AWS services. The application must meet the on-demand load for periods of heavy activity. Which AWS services or resources provide the necessary workload adjustments to meet these requirements? (Select TWO.)

- A. Amazon Machine Image (AMI)

- B. Amazon EC2 Auto Scaling
- C. Amazon EC2 instance
- D. AWS Lambda
- E. EC2 Image Builder

**Answer:** BD

**Explanation:**

Amazon EC2 Auto Scaling helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application. You create collections of EC2 instances, called Auto Scaling groups. You can specify the minimum number of instances in each Auto Scaling group, and Amazon EC2 Auto Scaling ensures that your group never goes below this size. You can specify the maximum number of instances in each Auto Scaling group, and Amazon EC2 Auto Scaling ensures that your group never goes above this size<sup>4</sup>. AWS Lambda lets you run code without provisioning or managing servers. You pay only for the compute time you consume. With Lambda, you can run code for virtually any type of application or backend service - all with zero administration. Just upload your code and Lambda takes care of everything required to run and scale your code with high availability. You can set up your code to automatically trigger from other AWS services or call it directly from any web or mobile app.

**NEW QUESTION 145**

- (Topic 3)

Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

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

**Answer:** B

**Explanation:**

AWS Budgets allows you to set custom budgets that alert you when your costs or usage exceed (or are forecasted to exceed) your budgeted amount. You can also use AWS Budgets to set reservation utilization or coverage targets and receive alerts when your utilization drops below the threshold you define. AWS Budgets provides you with a comprehensive view of your cost and usage, as well as your reservation utilization and coverage<sup>1</sup>.

**NEW QUESTION 147**

- (Topic 3)

Which AWS Cloud deployment model uses AWS Outposts as part of the application deployment infrastructure?

- A. On-premises
- B. Serverless
- C. Cloud-native
- D. Hybrid

**Answer:** D

**Explanation:**

AWS Outposts is a fully managed service that extends AWS infrastructure, services, APIs, and tools to customer premises. By providing local access to AWS managed infrastructure, AWS Outposts enables customers to build and run applications on premises using the same programming interfaces as in AWS Regions, while using local compute and storage resources for lower latency and local data processing needs. An Outpost is a pool of AWS compute and storage capacity deployed at a customer site. AWS operates, monitors, and manages this capacity as part of an AWS Region. You can create subnets on your Outpost and specify them when you create AWS resources such as EC2 instances, EBS volumes, ECS clusters, and RDS instances. Instances in Outpost subnets communicate with other instances in the AWS Region using private IP addresses, all within the same VPC. Outposts solutions allow you to extend and run native AWS services on premises, and is available in a variety of form factors, from 1U and 2U Outposts servers to 42U Outposts racks, and multiple rack deployments. With AWS Outposts, you can run some AWS services locally and connect to a broad range of services available in the local AWS Region<sup>2</sup>. AWS Outposts is a hybrid cloud deployment model that uses AWS Outposts as part of the application deployment infrastructure. Hybrid cloud is a cloud computing environment that uses a mix of on-premises, private cloud, and public cloud services with orchestration between the platforms. Hybrid cloud provides businesses with greater flexibility, more deployment options, and optimized costs. By using AWS Outposts, customers can benefit from the fully managed infrastructure, services, APIs, and tools of AWS on premises, while still having access to the full range of AWS services available in the Region for a truly consistent hybrid experience<sup>3</sup>. References: On-Premises Private Cloud - AWS Outposts Family - AWS, What is AWS Outposts? - AWS Outposts

**NEW QUESTION 152**

- (Topic 3)

A company needs to run some of its workloads on premises to comply with regulatory guidelines. The company wants to use the AWS Cloud to run workloads that are not required to be on premises. The company also wants to be able to use the same API calls for the on-premises workloads and the cloud workloads. Which AWS service or feature should the company use to meet these requirements?

- A. Dedicated Hosts
- B. AWS Outposts
- C. Availability Zones
- D. AWS Wavelength

**Answer:** B

**Explanation:**

AWS Outposts is a fully managed service that extends AWS infrastructure, AWS services, APIs, and tools to virtually any datacenter, co-location space, or on-premises facility for a truly consistent hybrid experience<sup>1</sup>. AWS Outposts enables customers to run workloads on premises using the same AWS APIs, tools, and services that they use in the cloud<sup>2</sup>. Dedicated Hosts are physical servers with EC2 instance capacity fully dedicated to a customer's use<sup>3</sup>. Availability Zones are one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities within an AWS Region<sup>4</sup>. AWS Wavelength is an AWS Infrastructure offering optimized for mobile edge computing applications.

**NEW QUESTION 155**

- (Topic 2)

A company wants to migrate its application to AWS. The company wants to replace upfront expenses with variable payment that is based on usage. What should the company do to meet these requirements?

- A. Use pay-as-you-go pricing.
- B. Purchase Reserved Instances.
- C. Pay less by using more.
- D. Rightsize instances.

**Answer:** A

**Explanation:**

Pay-as-you-go pricing is one of the main benefits of AWS. With pay-as-you-go pricing, you pay only for what you use, when you use it. There are no long-term contracts, termination fees, or complex licensing. You replace upfront expenses with lower variable costs and pay only for the resources you consume.

**NEW QUESTION 157**

- (Topic 2)

Which option is a pillar of the AWS Well-Architected Framework?

- A. Patch management
- B. Cost optimization
- C. Business technology strategy
- D. Physical and environmental controls

**Answer:** B

**Explanation:**

The AWS Well-Architected Framework helps you understand the pros and cons of decisions you make while building systems on AWS. By using the Framework, you will learn architectural best practices for designing and operating reliable, secure, efficient, and cost-effective systems in the cloud. The Framework consists of five pillars: operational excellence, security, reliability, performance efficiency, and cost optimization<sup>2</sup>.

**NEW QUESTION 161**

- (Topic 2)

Which design principles should a company apply to AWS Cloud workloads to maximize sustainability and minimize environmental impact? (Select TWO.)

- A. Maximize utilization of Amazon EC2 instances.
- B. Minimize utilization of Amazon EC2 instances.
- C. Minimize usage of managed services.
- D. Force frequent application reinstallations by users.
- E. Reduce the need for users to reinstall applications.

**Answer:** AE

**Explanation:**

To maximize sustainability and minimize environmental impact, a company should apply the following design principles to AWS Cloud workloads: maximize utilization of Amazon EC2 instances and reduce the need for users to reinstall applications. Maximizing utilization of Amazon EC2 instances means that the company can optimize the performance and efficiency of their compute resources, and avoid wasting energy and money on idle or underutilized instances. The company can use features such as Amazon EC2 Auto Scaling, Amazon EC2 Spot Instances, and AWS Compute Optimizer to automatically adjust the number and type of instances based on demand, cost, and performance. Reducing the need for users to reinstall applications means that the company can minimize the amount of data and bandwidth required to deliver their applications to users, and avoid unnecessary downloads and updates that consume energy and resources. The company can use services such as Amazon CloudFront, AWS AppStream 2.0, and AWS Amplify to deliver their applications faster, more securely, and more efficiently to users across the globe. Minimizing utilization of Amazon EC2 instances, minimizing usage of managed services, and forcing frequent application reinstallations by users are not design principles that would maximize sustainability and minimize environmental impact. Minimizing utilization of Amazon EC2 instances would reduce the performance and efficiency of the compute resources, and potentially increase the costs and complexity of the cloud workloads. Minimizing usage of managed services would increase the operational overhead and responsibility of the company, and potentially expose them to more security and reliability risks. Forcing frequent application reinstallations by users would increase the amount of data and bandwidth required to deliver the applications to users, and potentially degrade the user experience and satisfaction.

**NEW QUESTION 165**

- (Topic 2)

A company is setting up AWS Identity and Access Management (IAM) on an AWS account. Which recommendation complies with IAM security best practices?

- A. Use the account root user access keys for administrative tasks.
- B. Grant broad permissions so that all company employees can access the resources they need.
- C. Turn on multi-factor authentication (MFA) for added security during the login process.
- D. Avoid rotating credentials to prevent issues in production applications.

**Answer:** C

**Explanation:**

C is correct because turning on multi-factor authentication (MFA) for added security during the login process is one of the IAM security best practices recommended by AWS. MFA adds an extra layer of protection on top of the user name and password, making it harder for attackers to access the AWS account. A is incorrect because using the account root user access keys for administrative tasks is not a good practice, as the root user has full access to all the resources in the AWS account and can cause irreparable damage if compromised. AWS recommends creating individual IAM users with the least privilege principle and using roles for applications that run on Amazon EC2 instances. B is incorrect because granting broad permissions so that all company employees can access the resources they need is not a good practice, as it increases the risk of unauthorized or accidental actions on the AWS resources. AWS recommends granting only the permissions that are required to perform a task and using groups to assign permissions to IAM users. D is incorrect because avoiding rotating credentials to prevent issues in production applications is not a good practice, as it increases the risk of credential leakage or compromise. AWS recommends rotating credentials regularly and using temporary security credentials from AWS STS when possible.

#### NEW QUESTION 169

- (Topic 2)

Which AWS service or tool provides recommendations to help users get rightsized Amazon EC2 instances based on historical workload usage data?

- A. AWS Pricing Calculator
- B. AWS Compute Optimizer
- C. AWS App Runner
- D. AWS Systems Manager

**Answer: B**

#### Explanation:

The AWS service or tool that provides recommendations to help users get rightsized Amazon EC2 instances based on historical workload usage data is AWS Compute Optimizer. AWS Compute Optimizer is a service that analyzes the configuration and performance of the AWS resources, such as Amazon EC2 instances, and provides recommendations for optimal resource types and sizes based on the workload patterns and metrics. AWS Compute Optimizer helps users improve the performance, availability, and cost efficiency of their AWS resources. AWS Pricing Calculator, AWS App Runner, and AWS Systems Manager are not the best services or tools to use for this purpose. AWS Pricing Calculator is a tool that helps users estimate the cost of using AWS services based on their requirements and preferences. AWS App Runner is a service that helps users easily and quickly deploy web applications and APIs without managing any infrastructure. AWS Systems Manager is a service that helps users automate and manage the configuration and operation of their AWS resources and applications<sup>34</sup>

#### NEW QUESTION 171

- (Topic 2)

Which AWS service can defend against DDoS attacks?

- A. AWS Firewall Manager
- B. AWS Shield Standard
- C. AWS WAF
- D. Amazon Inspector

**Answer: B**

#### Explanation:

AWS Shield Standard is a service that provides protection against Distributed Denial of Service (DDoS) attacks for all AWS customers at no additional charge. It automatically detects and mitigates the most common and frequently occurring network and transport layer DDoS attacks that target AWS resources, such as Amazon EC2 instances, Elastic Load Balancers, Amazon CloudFront distributions, and Amazon Route 53 hosted zones. AWS Firewall Manager is a service that allows users to centrally configure and manage firewall rules across their AWS accounts and resources, such as AWS WAF web ACLs, AWS Shield Advanced protections, and Amazon VPC security groups. AWS WAF is a web application firewall that helps protect web applications from common web exploits, such as SQL injection, cross-site scripting, and bot attacks. Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. It analyzes the behavior of the applications and checks for vulnerabilities, exposures, and deviations from best practices.

#### NEW QUESTION 172

- (Topic 2)

A company needs to host a highly available application in the AWS Cloud. The application runs infrequently for short periods of time.

Which AWS service will meet these requirements with the LEAST amount of operational overhead?

- A. Amazon EC2
- B. AWS Fargate
- C. AWS Lambda
- D. Amazon Aurora

**Answer: C**

#### Explanation:

The AWS service that will meet the requirements of the company that needs to host a highly available application in the AWS Cloud that runs infrequently for short periods of time with the least amount of operational overhead is AWS Lambda. AWS Lambda is a serverless compute service that allows customers to run code without provisioning or managing servers. The company can use AWS Lambda to create and deploy their application as functions that are triggered by events, such as API calls, messages, or schedules. AWS Lambda automatically scales the compute resources based on the demand, and customers only pay for the compute time they consume. AWS Lambda also simplifies the management and maintenance of the application, as customers do not need to worry about the underlying infrastructure, security, or availability. Amazon EC2, AWS Fargate, and Amazon Aurora are not the best services to use for this purpose. Amazon EC2 is a service that provides scalable compute capacity in the cloud, and allows customers to launch and run virtual servers, called instances, with a variety of operating systems, configurations, and specifications. Amazon EC2 requires customers to provision and manage the instances, and pay for the instance hours they use, regardless of the application usage. AWS Fargate is a serverless compute engine for containers that allows customers to run containerized applications without managing servers or clusters. AWS Fargate requires customers to specify the amount of CPU and memory resources for each container, and pay for the resources they allocate, regardless of the application usage.

Amazon Aurora is a fully managed relational database service that provides high performance, availability, and compatibility. Amazon Aurora is not a compute service, and it is not suitable for hosting an application that runs infrequently for short periods of time<sup>12</sup>

#### NEW QUESTION 174

- (Topic 2)

A user discovered that an Amazon EC2 instance is missing an Amazon Elastic Block Store (Amazon EBS) data volume. The user wants to determine when the EBS volume was removed.

Which AWS service will provide this information?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon Timestream
- D. Amazon QuickSight

**Answer: A**

**Explanation:**

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. AWS Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. AWS Config can help you determine when an EBS volume was removed from an EC2 instance by providing a timeline of configuration changes and compliance status. AWS Trusted Advisor, Amazon Timestream, and Amazon QuickSight do not provide the same level of configuration tracking and auditing as AWS Config. Source: AWS Config

**NEW QUESTION 176**

- (Topic 2)

A developer wants to use an Amazon S3 bucket to store application logs that contain sensitive data. Which AWS service or feature should the developer use to restrict read and write access to the S3 bucket?

- A. Security groups
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. ACLs

**Answer: D**

**Explanation:**

ACLs are an AWS service or feature that the developer can use to restrict read and write access to the S3 bucket. ACLs are access control lists that grant basic permissions to other AWS accounts or predefined groups. They can be used to grant read or write access to an S3 bucket or an object. Security groups are virtual firewalls that control the inbound and outbound traffic for Amazon EC2 instances. They are not a service or feature that can be used to restrict access to an S3 bucket. Amazon CloudWatch is a service that provides monitoring and observability for AWS resources and applications. It can be used to collect and analyze metrics, logs, events, and alarms. It is not a service or feature that can be used to restrict access to an S3 bucket. AWS CloudTrail is a service that provides governance, compliance, and audit for AWS accounts and resources. It can be used to track and record the API calls and user activity in AWS. It is not a service or feature that can be used to restrict access to an S3 bucket.

**NEW QUESTION 180**

- (Topic 2)

A large company has multiple departments. Each department has its own AWS account. Each department has purchased Amazon EC2 Reserved Instances. Some departments do not use all the Reserved Instances that they purchased, and other departments need more Reserved Instances than they purchased. The company needs to manage the AWS accounts for all the departments so that the departments can share the Reserved Instances. Which AWS service or tool should the company use to meet these requirements?

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

**Answer: D**

**Explanation:**

AWS Organizations is a service that enables you to consolidate multiple AWS accounts into an organization that you create and centrally manage. With AWS Organizations, you can apply service control policies (SCPs) across multiple AWS accounts to restrict what services and actions users and roles can access. You can also use AWS Organizations to enable features such as consolidated billing, AWS Config rules and conformance packs, and AWS CloudFormation StackSets across multiple accounts. One of the benefits of using AWS Organizations is that you can share your Reserved Instances (RIs) with all of the accounts in your organization. This enables you to take advantage of the billing benefits of RIs without having to specify which account will use them. AWS Systems Manager is a service that gives you visibility and control of your infrastructure on AWS. Cost Explorer is a tool that enables you to visualize, understand, and manage your AWS costs and usage over time. AWS Trusted Advisor is a service that provides real-time guidance to help you provision your resources following AWS best practices. None of these services or tools can help you manage the AWS accounts for all the departments so that the departments can share the Reserved Instances.

**NEW QUESTION 181**

- (Topic 2)

Which benefit of AWS Cloud computing provides lower latency between users and applications?

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

**Answer: C**

**Explanation:**

Global reach is the benefit of AWS Cloud computing that provides lower latency between users and applications. Global reach means that AWS customers can deploy their applications and data in multiple regions around the world, and deliver them to users with high performance and availability. AWS has the largest global infrastructure of any cloud provider, with 25 geographic regions and 81 Availability Zones, as well as 216 Points of Presence in 84 cities across 42 countries. Customers can choose the optimal locations for their applications and data based on their business requirements, such as compliance, data sovereignty, and customer proximity. Agility, economies of scale, and pay-as-you-go pricing are other benefits of AWS Cloud computing, but they do not directly provide lower latency between users and applications. Agility means that AWS customers can quickly and easily provision and scale up or down AWS resources as needed, without upfront costs or long-term commitments. Economies of scale means that AWS customers can benefit from the lower costs and higher efficiency that AWS achieves by operating at a massive scale and passing the savings to the customers. Pay-as-you-go pricing means that AWS customers only pay for the AWS resources they use, without any upfront costs or long-term contracts.

**NEW QUESTION 184**

- (Topic 2)

Which options are common stakeholders for the AWS Cloud Adoption Framework (AWS CAF) platform perspective? (Select TWO.)

- A. Chief financial officers (CFOs)

- B. IT architects
- C. Chief information officers (CIOs)
- D. Chief data officers (CDOs)
- E. Engineers

**Answer:** BE

**Explanation:**

The common stakeholders for the AWS Cloud Adoption Framework (AWS CAF) platform perspective are IT architects and engineers. The AWS CAF is a guidance that helps organizations design and travel an accelerated path to successful cloud adoption. The AWS CAF organizes the cloud adoption process into six areas of focus, called perspectives, which are business, people, governance, platform, security, and operations. Each perspective is divided into capabilities, which are further divided into skills and responsibilities. The platform perspective focuses on the provisioning and management of the cloud infrastructure and services that support the business applications. The platform perspective capabilities are design, implementation, and optimization. The stakeholders for the platform perspective are the IT architects and engineers who are responsible for designing, implementing, and optimizing the cloud platform. Chief financial officers (CFOs), chief information officers (CIOs), and chief data officers (CDOs) are not the common stakeholders for the AWS CAF platform perspective. CFOs are the common stakeholders for the AWS CAF business perspective, which focuses on the value realization of the cloud adoption. CIOs are the common stakeholders for the AWS CAF governance perspective, which focuses on the alignment of the IT strategy and processes with the business strategy and goals. CDOs are the common stakeholders for the AWS CAF security perspective, which focuses on the protection of the information assets and systems in the cloud.

**NEW QUESTION 188**

- (Topic 2)

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access. According to the AWS shared responsibility model, which task is the responsibility of the customer?

- A. Protect the global infrastructure that runs all of the services offered in the AWS Cloud.
- B. Configure logical access controls for resources, and protect account credentials.
- C. Configure the security used by managed services.
- D. Patch and back up Amazon Aurora.

**Answer:** B

**Explanation:**

According to the AWS shared responsibility model, the customer is responsible for configuring logical access controls for resources, and protecting account credentials. This includes managing IAM user permissions, security group rules, network ACLs, encryption keys, and other aspects of access management<sup>1</sup>. AWS is responsible for protecting the global infrastructure that runs all of the services offered in the AWS Cloud, such as the hardware, software, networking, and facilities. AWS is also responsible for configuring the security used by managed services, such as Amazon RDS, Amazon DynamoDB, and Amazon Aurora<sup>2</sup>.

**NEW QUESTION 190**

- (Topic 2)

Which of the following is the customer's responsibility, according to the AWS shared responsibility model?

- A. Identity and access management
- B. Hard drive initialization
- C. Protection of data center hardware
- D. Security of Availability Zones

**Answer:** A

**Explanation:**

Identity and access management is the customer's responsibility, according to the AWS shared responsibility model. This means that the customer is responsible for managing user access to the AWS resources, using tools such as AWS Identity and Access Management (IAM), AWS Single Sign-On (SSO), and AWS Organizations. The customer is also responsible for securing their data in transit and at rest, using encryption, key management, and other methods. Hard drive initialization, protection of data center hardware, and security of Availability Zones are AWS's responsibility, as they are part of the infrastructure, physical security, and network security that AWS provides to the customer<sup>12</sup>.

**NEW QUESTION 194**

- (Topic 2)

A company needs a repository that stores source code. The company needs a way to update the running software when the code changes. Which combination of AWS services will meet these requirements? (Select TWO.)

- A. AWS CodeCommit
- B. AWS CodeDeploy
- C. Amazon DynamoDB
- D. Amazon S3
- E. Amazon Elastic Container Service (Amazon ECS)

**Answer:** AB

**Explanation:**

A and B are correct because AWS CodeCommit is the AWS service that provides a fully managed source control service that hosts secure Git-based repositories<sup>1</sup>, and AWS CodeDeploy is the AWS service that automates code deployments to any instance, including Amazon EC2 instances and servers running on-premises<sup>2</sup>. These two services can be used together to store source code and update the running software when the code changes. C is incorrect because Amazon DynamoDB is the AWS service that provides a fully managed NoSQL database service that supports key-value and document data models<sup>3</sup>. It is not related to storing source code or updating software. D is incorrect because Amazon S3 is the AWS service that provides object storage through a web service interface<sup>4</sup>. It can be used to store source code, but it does not provide source control features or update software. E is incorrect because Amazon Elastic Container Service (Amazon ECS) is the AWS service that allows users to run, scale, and secure Docker container applications. It can be used to deploy containerized software, but it does not store source code or update software.

### NEW QUESTION 196

- (Topic 2)

A company is running workloads for multiple departments within a single VPC. The company needs to be able to bill each department for its resource usage. Which action should the company take to accomplish this goal with the LEAST operational overhead?

- A. Add a department tag to each resource and configure cost allocation tags.
- B. Move each department resource to its own VPC.
- C. Move each department resource to its own AWS account.
- D. Use AWS Organizations to get a billing report for each department.

**Answer:** A

#### Explanation:

Adding a department tag to each resource and configuring cost allocation tags is an action that can help you accomplish the goal of billing each department for its resource usage with the least operational overhead. Tags are simple labels consisting of a key and an optional value that you can assign to AWS resources. You can use tags to organize your resources and track your AWS costs on a detailed level. Cost allocation tags enable you to track your AWS costs on a detailed level. After you activate cost allocation tags, AWS uses the cost allocation tags to organize your resource costs on your cost allocation report, to make it easier for you to categorize and track your AWS costs<sup>2</sup>. Moving each department resource to its own VPC or its own AWS account is an action that can help you isolate and control the resources for each department, but it would incur more operational overhead than using tags. Using AWS Organizations to get a billing report for each department is an action that can help you consolidate billing and payment across multiple AWS accounts, but it would not help you bill each department for its resource usage within a single VPC.

### NEW QUESTION 199

- (Topic 2)

Which statements explain the business value of migration to the AWS Cloud? (Select TWO.)

- A. The migration of enterprise applications to the AWS Cloud makes these applications automatically available on mobile devices.<sup>S</sup>
- B. AWS availability and security provide the ability to improve service level agreements (SLAs) while reducing risk and unplanned downtime.
- C. Companies that migrate to the AWS Cloud eliminate the need to plan for high availability and disaster recovery.
- D. Companies that migrate to the AWS Cloud reduce IT costs related to infrastructure, freeing budget for reinvestment in other areas.
- E. Applications are modernized because migration to the AWS Cloud requires companies to rearchitect and rewrite all enterprise applications.

**Answer:** BD

#### Explanation:

B and D are correct because AWS availability and security enable customers to improve their SLAs while reducing risk and unplanned downtime<sup>1</sup>, and AWS reduces IT costs related to infrastructure, allowing customers to reinvest in other areas<sup>2</sup>. A is incorrect because migrating to the AWS Cloud does not automatically make applications available on mobile devices, as it depends on the application design and compatibility. C is incorrect because companies that migrate to the AWS Cloud still need to plan for high availability and disaster recovery, as AWS is a shared responsibility model<sup>3</sup>. E is incorrect because migrating to the AWS Cloud does not require companies to rearchitect and rewrite all enterprise applications, as AWS offers different migration strategies depending on the application complexity and business objectives<sup>4</sup>.

### NEW QUESTION 202

- (Topic 2)

A company is hosting a web application on Amazon EC2 instances. The company wants to implement custom conditions to filter and control inbound web traffic. Which AWS service will meet these requirements?

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

**Answer:** B

#### Explanation:

The AWS service that will meet the requirements of the company that is hosting a web application on Amazon EC2 instances and wants to implement custom conditions to filter and control inbound web traffic is AWS WAF. AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect availability, compromise security, or consume excessive resources. The company can use AWS WAF to create custom rules that block malicious requests that match certain patterns, such as SQL injection or cross-site scripting. AWS WAF can be applied to web applications that are behind an Application Load Balancer, Amazon CloudFront, or Amazon API Gateway. Amazon GuardDuty, Amazon Macie, and AWS Shield are not the best services to use for this purpose. Amazon GuardDuty is a threat detection service that monitors for malicious activity and unauthorized behavior across the AWS accounts and resources. Amazon Macie is a data security and data privacy service that uses machine learning and pattern matching to discover, classify, and protect sensitive data stored in Amazon S3. AWS Shield is a managed distributed denial of service (DDoS) protection service that safeguards web applications running on AWS. These services are more useful for detecting and preventing different types of threats and attacks, rather than filtering and controlling inbound web traffic based on custom conditions.

### NEW QUESTION 204

- (Topic 2)

A company that is planning to migrate to the AWS Cloud is based in an isolated area that has limited internet connectivity. The company needs to perform local data processing on premises. The company needs a solution that can operate without a stable internet connection. Which AWS service will meet these requirements?

- A. Amazon S3
- B. AWS Snowball Edge
- C. AWS StorageGateway
- D. AWS Backup

**Answer:** B

#### Explanation:

AWS Snowball Edge is a service that provides a physical device that can store up to 100 TB of data and perform local data processing on premises. It enables users to transfer data to and from the AWS Cloud in areas with limited or no internet connectivity. It also supports AWS Greengrass, which allows users to run AWS Lambda functions and other AWS services locally without a stable internet connection. Amazon S3 is a storage service that provides scalable, durable, and secure object storage. It requires a stable internet connection to transfer data to and from the AWS Cloud. AWS Storage Gateway is a service that provides a hybrid storage solution that connects on-premises applications to AWS Cloud storage services, such as Amazon S3, Amazon S3 Glacier, and Amazon EBS. It requires a stable internet connection to synchronize data between the on-premises and cloud storage. AWS Backup is a service that provides a centralized and automated solution to back up data across AWS services and on-premises resources. It requires a stable internet connection to transfer data to and from the AWS Cloud.

#### NEW QUESTION 207

- (Topic 2)

A company has an Amazon S3 bucket containing images of scanned financial invoices. The company is building an artificial intelligence (AI)-based application on AWS. The company wants the application to identify and read total balance amounts on the invoices.

Which AWS service will meet these requirements?

- A. Amazon Forecast
- B. Amazon Textract
- C. Amazon Rekognition
- D. Amazon Lex

**Answer:** B

#### Explanation:

Amazon Textract is a service that automatically extracts text and data from scanned documents. Amazon Textract goes beyond simple optical character recognition (OCR) to also identify the contents of fields in forms and information stored in tables. Amazon Textract can analyze images of scanned financial invoices and extract the total balance amounts, as well as other relevant information, such as invoice number, date, vendor name, etc5.

#### NEW QUESTION 209

- (Topic 2)

A developer needs to maintain a development environment infrastructure and a production environment infrastructure in a repeatable fashion.

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

- A. AWS Ground Station
- B. AWS Shield
- C. AWS IoT Device Defender
- D. AWS CloudFormation

**Answer:** D

#### Explanation:

AWS CloudFormation is a service that allows you to model and provision your AWS and third-party application resources in a repeatable and predictable way. You can use AWS CloudFormation to create, update, and delete a collection of resources as a single unit, called a stack. You can also use AWS CloudFormation to manage your development and production environments in a consistent and efficient manner4.

#### NEW QUESTION 212

- (Topic 2)

Which AWS service is always free of charge for users?

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon EC2
- D. AWS Identity and Access Management (IAM)

**Answer:** D

#### Explanation:

AWS Identity and Access Management (IAM) is a service that allows users to manage access to AWS resources and services. It enables users to create and manage users, groups, roles, and policies that control who can do what in AWS. IAM is always free of charge for users, as there is no additional cost for using IAM with any AWS service1. Amazon S3 is a storage service that provides scalable, durable, and secure object storage. Amazon S3 has a free tier that offers 5 GB of storage, 20,000 GET requests, and 2,000 PUT requests per month for one year. However, users are charged for any additional usage beyond the free tier limits2. Amazon Aurora is a relational database service that is compatible with MySQL and PostgreSQL. Amazon Aurora has a free tier that offers 750 hours of Aurora Single-AZ db.t2.small database usage and 20 GB of storage per month for one year. However, users are charged for any additional usage beyond the free tier limits3. Amazon EC2 is a compute service that provides resizable virtual servers. Amazon EC2 has a free tier that offers 750 hours of Linux and Windows t2.micro instances per month for one year. However, users are charged for any additional usage beyond the free tier limits4.

#### NEW QUESTION 214

- (Topic 2)

A company migrated its core application onto multiple workloads in the AWS Cloud. The company wants to improve the application's reliability.

Which cloud design principle should the company implement to achieve this goal?

- A. Maximize utilization.
- B. Decouple the components.
- C. Rightsize the resources.
- D. Adopt a consumption model.

**Answer:** B

#### Explanation:

Decoupling the components of an application means reducing the dependencies and interactions between them, which can improve the application's reliability,

scalability, and performance. Decoupling can be achieved by using services such as Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and AWS Lambda1

#### NEW QUESTION 216

- (Topic 2)

A company wants to migrate its on-premises application to the AWS Cloud. The company is legally obligated to retain certain data in its on-premises data center. Which AWS service or feature will support this requirement?

- A. AWS Wavelength
- B. AWS Local Zones
- C. VMware Cloud on AWS
- D. AWS Outposts

**Answer:** D

#### Explanation:

AWS Outposts is a fully managed service that extends AWS infrastructure, AWS services, APIs, and tools to virtually any datacenter, co-location space, or on-premises facility for a truly consistent hybrid experience. AWS Outposts enables you to run AWS services in your on-premises data center, which can support the requirement of retaining certain data on-premises due to legal obligations5.

#### NEW QUESTION 218

- (Topic 2)

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

- A. Configure AWS Identity and Access Management (IAM).
- B. Configure security groups on Amazon EC2 instances.
- C. Secure the access of physical AWS facilities.
- D. Patch applications that run on Amazon EC2 instances.
- E. Perform infrastructure patching and maintenance.

**Answer:** CE

#### Explanation:

The tasks that are the responsibility of AWS according to the AWS shared responsibility model are securing the access of physical AWS facilities and performing infrastructure patching and maintenance. The AWS shared responsibility model defines the division of responsibilities between AWS and the customer for security and compliance. AWS is responsible for the security of the cloud, which includes the physical security of the hardware, software, networking, and facilities that run the AWS services. AWS is also responsible for the maintenance and patching of the infrastructure that supports the AWS services. The customer is responsible for the security in the cloud, which includes the configuration and management of the AWS resources and applications that they use. Configuring AWS Identity and Access Management (IAM), configuring security groups on Amazon EC2 instances, and patching applications that run on Amazon EC2 instances are tasks that are the responsibility of the customer, not AWS.

#### NEW QUESTION 219

- (Topic 2)

A company manages factory machines in real time. The company wants to use AWS technology to deploy its monitoring applications as close to the factory machines as possible.

Which AWS solution will meet these requirements with the LEAST latency?

- A. AWS Outposts
- B. Amazon EC2
- C. AWS App Runner
- D. AWS Batch

**Answer:** A

#### Explanation:

AWS Outposts is a fully managed service that extends AWS infrastructure, AWS services, APIs, and tools to virtually any datacenter, co-location space, or on-premises facility for a truly consistent hybrid experience. AWS Outposts enables you to run AWS services in your on-premises data center1.

#### NEW QUESTION 222

- (Topic 2)

Which AWS service or tool helps companies measure the environmental impact of their AWS usage?

- A. AWS customer carbon footprint tool
- B. AWS Compute Optimizer
- C. Sustainability pillar
- D. OS-Climate (Open Source Climate Data Commons)

**Answer:** A

#### Explanation:

AWS customer carbon footprint tool is an AWS service or tool that helps companies measure the environmental impact of their AWS usage. It allows users to estimate the carbon emissions associated with their AWS resources and services, such as EC2, S3, and Lambda. It also provides recommendations and best practices to reduce the carbon footprint and improve the sustainability of their AWS workloads4. AWS Compute Optimizer is an AWS service that helps users optimize the performance and cost of their EC2 instances and Auto Scaling groups. It provides recommendations for optimal instance types, sizes, and configurations based on the workload characteristics and utilization metrics. It does not help users measure the environmental impact of their AWS usage. Sustainability pillar is a concept that refers to the ability of a system to operate in an environmentally friendly and socially responsible manner. It is not an AWS service or tool that helps users measure the environmental impact of their AWS usage. OS-Climate (Open Source Climate Data Commons) is an initiative that aims to provide open source data, tools, and platforms to accelerate climate action and innovation. It is not an AWS service or tool that helps users measure the environmental impact of their AWS usage.

#### NEW QUESTION 224

- (Topic 2)

A company wants an in-memory data store that is compatible with open source in the cloud. Which AWS service should the company use?

- A. Amazon DynamoDB
- B. Amazon ElastiCache
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Redshift

**Answer: B**

#### Explanation:

Amazon ElastiCache is a fully managed in-memory data store service that is compatible with open source engines such as Redis and Memcached<sup>1</sup>. It provides fast and scalable performance for applications that require high throughput and low latency<sup>1</sup>. Amazon DynamoDB is a fully managed NoSQL database service that provides consistent and single-digit millisecond latency at any scale<sup>2</sup>. Amazon EBS is a block storage service that provides persistent and durable storage volumes for Amazon EC2 instances<sup>3</sup>. Amazon Redshift is a fully managed data warehouse service that allows users to run complex analytic queries using SQL<sup>4</sup>.

#### NEW QUESTION 229

- (Topic 2)

Which option is a perspective that includes foundational capabilities of the AWS Cloud Adoption Framework (AWS CAF)?

- A. Sustainability
- B. Operations
- C. Performance efficiency
- D. Reliability

**Answer: B**

#### Explanation:

Operations is an option that is a perspective that includes foundational capabilities of the AWS Cloud Adoption Framework (AWS CAF). Operations is one of the six perspectives of the AWS CAF, along with business, people, governance, platform, and security. Operations focuses on the processes and procedures to support the ongoing management and maintenance of the cloud-based IT assets. It covers topics such as monitoring, backup and recovery, change management, incident management, and automation<sup>5</sup>. Sustainability is not a perspective of the AWS CAF, but a concept that refers to the ability of a system to operate in an environmentally friendly and socially responsible manner. Performance efficiency is not a perspective of the AWS CAF, but a pillar of the AWS Well-Architected Framework. It focuses on using the right resources and services for the workload, monitoring performance, and continuously improving the efficiency of the solution. Reliability is not a perspective of the AWS CAF, but a pillar of the AWS Well-Architected Framework. It focuses on the ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues.

#### NEW QUESTION 232

- (Topic 1)

Which AWS service will help protect applications running on AWS from DDoS attacks?

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

**Answer: C**

#### Explanation:

AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS. AWS Shield provides always-on detection and automatic inline mitigations that minimize application downtime and latency, so there is no need to engage AWS Support to benefit from DDoS protection<sup>3</sup>.

#### NEW QUESTION 236

- (Topic 1)

Which AWS features will meet these requirements? (Select TWO.)

- A. Security groups
- B. Network ACLs
- C. S3 bucket policies
- D. IAM user policies
- E. S3 bucket versioning

**Answer: CD**

#### Explanation:

The correct answers are C and D because S3 bucket policies and IAM user policies are AWS features that will meet the requirements. S3 bucket policies are access policies that can be attached to Amazon S3 buckets to grant or deny permissions to the bucket and the objects it contains. S3 bucket policies can be used to control who has permission to read, write, or delete objects that the company stores in the S3 bucket. IAM user policies are access policies that can be attached to IAM users to grant or deny permissions to AWS resources and actions. IAM user policies can be used to control who has permission to read, write, or delete objects that the company stores in the S3 bucket. The other options are incorrect because they are not AWS features that will meet the requirements. Security groups and network ACLs are AWS features that act as firewalls to control inbound and outbound traffic to and from Amazon EC2 instances and subnets. Security groups and network ACLs do not control who has permission to read, write, or delete objects that the company stores in the S3 bucket. S3 bucket versioning is an AWS feature that enables users to keep multiple versions of the same object in the same bucket. S3 bucket versioning can be used to recover from accidental overwrites or deletions of objects, but it does not control who has permission to read, write, or delete objects that the company stores in the S3 bucket. Reference: Using Bucket Policies and User Policies, Security Groups for Your VPC, Network ACLs, [Using Versioning]

#### NEW QUESTION 241

- (Topic 1)

A company needs to run its existing custom, nonproduction workloads in the AWS Cloud quickly and cost-effectively. The workloads can recover from interruptions easily. Which pricing model should the company use?

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

**Answer: C**

#### Explanation:

The correct answer is C because Spot Instances are the pricing model that enables the company to run its existing custom, nonproduction workloads in the AWS Cloud quickly and cost-effectively. Spot Instances are spare Amazon EC2 instances that are available at up to 90% discount compared to On-Demand prices. Spot Instances are suitable for stateless, fault-tolerant, and flexible workloads that can recover from interruptions easily. The other options are incorrect because they are not the pricing model that enables the company to run its existing custom, nonproduction workloads in the AWS Cloud quickly and cost-effectively. Reserved Instances are Amazon EC2 instances that are reserved for a specific period of time (one or three years) in exchange for a lower hourly rate. Reserved Instances are suitable for steady-state or predictable workloads that run for a long duration. On-Demand Instances are Amazon EC2 instances that are launched and billed at a fixed hourly rate. On-Demand Instances are suitable for short-term, irregular, or unpredictable workloads that cannot be interrupted. Dedicated Hosts are physical servers that are dedicated to a single customer. Dedicated Hosts are suitable for workloads that require regulatory compliance or data isolation. Reference: Amazon EC2 Instance Purchasing Options

#### NEW QUESTION 242

- (Topic 1)

A company has an application with robust hardware requirements. The application must be accessed by students who are using lightweight, low-cost laptops. Which AWS service will help the company deploy the application without investing in backend infrastructure or high end client hardware?

- A. Amazon AppStream 2.0
- B. AWS AppSync
- C. Amazon WorkLink
- D. AWS Elastic Beanstalk

**Answer: A**

#### Explanation:

The correct answer is A because Amazon AppStream 2.0 is a service that will help the company deploy the application without investing in backend infrastructure or high end client hardware. Amazon AppStream 2.0 is a fully managed, secure application streaming service that allows customers to stream desktop applications from AWS to any device running a web browser. Amazon AppStream 2.0 handles the provisioning, scaling, patching, and maintenance of the backend infrastructure, and delivers high performance and responsive user experience. The other options are incorrect because they are not services that will help the company deploy the application without investing in backend infrastructure or high end client hardware. AWS AppSync is a service that enables customers to create flexible APIs for synchronizing data across multiple data sources. Amazon WorkLink is a service that enables customers to provide secure, one-click access to internal websites and web apps from mobile devices. AWS Elastic Beanstalk is a service that enables customers to deploy and manage web applications using popular platforms such as Java, .NET, PHP, and Node.js. Reference: [Amazon AppStream 2.0 FAQs]

#### NEW QUESTION 247

- (Topic 1)

A company recently migrated to the AWS Cloud. The company needs to determine whether its newly imported Amazon EC2 instances are the appropriate size and type.

Which AWS services can provide this information to the company? (Select TWO.)

- A. AWS Auto Scaling
- B. AWS Control Tower
- C. AWS Trusted Advisor
- D. AWS Compute Optimizer
- E. Amazon Forecast

**Answer: CD**

#### Explanation:

AWS Trusted Advisor and AWS Compute Optimizer are the AWS services that can provide information to the company about whether its newly imported Amazon EC2 instances are the appropriate size and type. AWS Trusted Advisor is an online tool that provides best practices recommendations in five categories: cost optimization, performance, security, fault tolerance, and service limits. AWS Trusted Advisor can help users identify underutilized or idle EC2 instances, and suggest ways to reduce costs and improve performance. AWS Compute Optimizer is a service that analyzes the configuration and utilization metrics of EC2 instances and delivers recommendations for optimal instance types, sizes, and configurations. AWS Compute Optimizer helps users improve performance, reduce costs, and eliminate underutilized resources

#### NEW QUESTION 248

- (Topic 1)

A company is migrating a relational database server to the AWS Cloud. The company wants to minimize administrative overhead of database maintenance tasks. Which AWS service will meet these requirements?

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

**Answer: D**

**Explanation:**

Amazon RDS is the AWS service that will meet the requirements of migrating a relational database server to the AWS Cloud and minimizing administrative overhead of database maintenance tasks. Amazon RDS is a fully managed relational database service that handles routine database tasks, such as provisioning, patching, backup, recovery, failure detection, and repair. Amazon RDS supports several database engines, such as MySQL, PostgreSQL, Oracle, SQL Server, and Amazon Aurora5.

**NEW QUESTION 250**

- (Topic 1)

A cloud engineer needs to download AWS security and compliance documents for an upcoming audit. Which AWS service can provide the documents?

- A. AWS Trusted Advisor
- B. AWS Artifact
- C. AWS Well-Architected Tool
- D. AWS Systems Manager

**Answer: B**

**Explanation:**

AWS Artifact is the AWS service that can provide security and compliance documents for an upcoming audit. AWS Artifact is a self-service portal that allows users to access and download AWS compliance reports and agreements. These documents provide evidence of AWS's compliance with global, regional, and industry-specific security standards and regulations

**NEW QUESTION 252**

- (Topic 1)

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

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

**Answer: C**

**Explanation:**

Testing recovery procedures is the design principle that is achieved by following the reliability pillar of the AWS Well-Architected Framework. The reliability pillar focuses on the ability of a system to recover from failures and prevent disruptions. Testing recovery procedures helps to ensure that the system can handle different failure scenarios and restore normal operations as quickly as possible. Testing recovery procedures also helps to identify and mitigate any risks or gaps in the system design and implementation. For more information, see [Reliability Pillar] and [Testing for Reliability].

**NEW QUESTION 257**

- (Topic 1)

A company needs to identify the last time that a specific user accessed the AWS Management Console. Which AWS service will provide this information?

- A. Amazon Cognito
- B. AWS CloudTrail
- C. Amazon Inspector
- D. Amazon GuardDuty

**Answer: B**

**Explanation:**

AWS CloudTrail is the service that will provide the information about the last time that a specific user accessed the AWS Management Console. AWS CloudTrail is a service that records the API calls and events made by or on behalf of your AWS account. You can use AWS CloudTrail to view, search, and download the history of AWS console sign-in events, which include the user name, date, time, source IP address, and other details of the sign-in activity. Amazon Cognito, Amazon Inspector, and Amazon GuardDuty are not services that will provide this information. Amazon Cognito is a service that provides user authentication and authorization for web and mobile applications. Amazon Inspector is a service that assesses the security and compliance of your applications running on AWS. Amazon GuardDuty is a service that monitors your AWS account and workloads for malicious or unauthorized activity.

**NEW QUESTION 261**

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