

## Amazon.Premium.AWS Certified Cloud Practitioner.620q

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**Exam Code:** AWS Certified Cloud Practitioner  
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**Website:** <https://VCEup.com/>  
**Free Exam:** <https://vceup.com/exam-aws-certified-cloud-practitioner/>



**Exam A****QUESTION 1**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 2**

Which AWS service helps users create three-dimensional applications quickly without requiring any specialized programming or three-dimensional graphics expertise?

- A. AWS RoboMaker
- B. Amazon Rekognition
- C. Amazon Sumerian
- D. Amazon GameLift

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 3**

A development team wants to deploy multiple test environments for an application in a fast, repeatable manner. Which AWS service should the team use?

- A. Amazon EC2
- B. AWS CloudFormation
- C. Amazon QuickSight
- D. Amazon Elastic Container Service (Amazon ECS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 4**

A company uses AWS Direct Connect and wants to establish connectivity that spans VPCs across multiple AWS Regions. Which AWS service or feature should the company use to meet these requirements?

- A. AWS Transit Gateway
- B. AWS PrivateLink
- C. Amazon Connect
- D. Amazon Route 53

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 5**

Which of the following are benefits of running a database on amazon rds compared to an on premises database?

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

**Correct Answer:** AC

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 6**

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 7**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 8**

Where can a user receive help with deploying popular technologies based on AWS best practices, including architecture and deployment instructions?

- A. Amazon QuickSight
- B. AWS Artifact
- C. AWS Config
- D. AWS Quick Starts

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 9**

What is an advantage of deploying an application across multiple Availability Zones?

- A. There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region
- B. The application will have higher availability because it can withstand a service disruption in one Availability Zone
- C. There will be better coverage as Availability Zones are geographical^ distant and can serve a wider area
- D. There will be decreased application latency that will improve the user experience

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 10**

A company plans to create a data lake that uses Amazon S3.

Which factor will have the MOST effect on cost?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 11**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 12**

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

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations

D. Edge locations

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 13**

Which of the following can be used to describe infrastructure as code in the AWS Clouds?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 14**

When comparing AWS to on-premises total cost of ownership (TCO), what costs are included with AWS?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 15**

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 16**

A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance. Based on this situation the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region

- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 17

Which of the following are advantages of the AWS Cloud?

- A. AWS manages the maintenance of the cloud infrastructure.
- B. AWS manages the security of application built on AWS.
- C. AWS manages capacity planning for physical servers.
- D. AWS manages the development of applications on AWS.
- E. AWS manages cost planning for virtual servers.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 18

The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing.
- B. the AWS global infrastructure.
- C. economies of scale.
- D. reserved storage pricing.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 19

How can a company reduce its Total Cost of Ownership (TCO) using AWS?

- A. By minimizing large capital expenditures
- B. By having no responsibility for third-party license costs
- C. By having no operational expenditures
- D. By having AWS manage applications

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 20

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 21**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 22**

Which AWS service does AWS Snowball Edge natively support?

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 23**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 24**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 25

Which of the following are benefits of running a database on Amazon RDS compared to an onpremises database? (Select TWO )

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 26

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 27

Management at a large company wants to avoid long-term contracts and is interested in AWS to move from fixed costs to variable costs. What is the value proposition of AWS for this company?

- A. Economy of scale
- B. Pay-as-you-go pricing
- C. Volume discounts
- D. Cost optimization

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:



**QUESTION 28**

Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Select TWO)

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 29**

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Select TWO.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 30**

Using AWS Config to record audit and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 31**

What is an AWS Identity and Access Management (IAM) role?

- A. A user associated with an AWS resource
- B. A group associated with an AWS resource
- C. An entity that defines a set of permissions for use with an AWS resource
- D. An authentication credential associated with a multi-factor authentication (MFA) token

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 32**

Which tasks require using AWS account root user credentials? (Select TWO.)

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

**Correct Answer:** CD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 33**

A company has deployed several relational databases on Amazon EC2 instances. Every month the database software vendor releases new security patches that need to be applied to the databases. What is the MOST efficient way to apply the security patches?

- A. Connect to each database instance on a monthly basis and download and apply the necessary security patches from the vendor
- B. Enable automate patching for the instances using the Amazon RDS console
- C. In AWS Config, configure a rule for the instances and the required patch level
- D. Use AWS Systems Manager to automate database patching according to a schedule

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 34**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 35**

Which AWS service provides a simple and scalable shared file storage solution for use with Linux-based AWS and on-premises servers?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EFS

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Amazon Elastic File System (Amazon EFS) provides a simple, scalable, fully managed elastic NFS file system for use with AWS Cloud services and on-premises resources. It is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files, eliminating the need to provision and manage capacity to accommodate growth. Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads. For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

**QUESTION 36**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run. No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.  
Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 37**

Which of the following is a shared control between the customer and AWS?

- A. Providing a key for Amazon S3 client-side encryption
- B. Configuration of an Amazon EC2 instance
- C. Environmental controls of physical AWS data centers
- D. Awareness and training

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 38**

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

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 39**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 40**

Under the AWS shared responsibility model what are the customer's responsibilities? (Select TWO.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 41**

Which AWS service or feature provides log information of the inbound and outbound traffic on network interfaces in a VPC?

- A. Amazon CloudWatch Logs
- B. AWS CloudTrail
- C. VPC Flow Logs
- D. AWS Identity and Access Management (IAM)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 42**

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost which Amazon EC2 purchasing option should be used?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 43**

Which of the following enable a company to reserve capacity on AWS? (Select TWO.)

- A. On-Demand Capacity Reservations
- B. AWS services in scope
- C. Zonal Reserved Instances
- D. Savings Plans
- E. Reserved instance reporting

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 44**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 45**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 46**

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

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

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 47**

What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 48**

Which features and benefits does the AWS Organizations provide? (Select TWO)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

**Correct Answer: DE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 49**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 50**

In which of the following is Amazon CloudFront content cached?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 51**

A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time. Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?

- A. VPC endpoints
- B. AWS Transit Gateway
- C. Amazon Route 53
- D. AWS Secrets Manager

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 52**

Which AWS cloud architecture principle states that systems should reduce interdependences?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 53**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 54**

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

- A. Permissive security removes the administrative burden.
- B. Ability to focus on revenue-generating activities.

- C. Control over cloud network hardware.
- D. Choice of specific cloud hardware vendors.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 55**

What can be used to reduce the cost of running Amazon EC2 instances? (Select TWO )

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for nigh-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 56**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 57**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 58**

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



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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 59**

A user needs to quickly deploy a nonrelational database on AWS. The user does not want to manage the underlying hardware or the database software. Which AWS service can be used to accomplish this?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 60**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 61**

A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future. Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 62**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 63**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 64**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 65**

The AWS cost management tools give users the ability to do which of the following?

- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 66**

Which of the following is an AWS value proposition that describes a user's ability to scale infrastructure based on demand?

- A. Speed of innovation
- B. Resource elasticity
- C. Decoupled architecture
- D. Global deployment

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 67**

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Select TWO.)

- A. AWS automatically distributes the data globally for higher durability
- B. AWS will take care of operating the application
- C. AWS makes it easy to architect for high availability
- D. AWS can easily accommodate application demand changes
- E. AWS takes care of application security patching

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 68**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 69**

Which design principles are enabled by the AWS cloud to improve the operation of workloads?

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

**Correct Answer:** BE

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 70**

An application that runs on Amazon EC2 needs to accommodate a flexible workload that can run or terminate at any time of day. Which pricing model will accommodate these requirements at the LOWEST cost?

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

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 71**

Which AWS services or features help decrease network latency for a globally dispersed user base?  
(Select TWO.)

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

**Correct Answer:** CE

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 72**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 73**

Which of the following are benefits of AWS Global Accelerator? (Select TWO.)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS

- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 74**

A company wants to implement an automated security assessment of the scanty and network accessibility of its Amazon EC2 instances. Which AWS service can be used To accomplish this?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 75**

What credential components are required to gain programmatic access to an AWS account? (Select TWO.)

- A. An access key ID
- B. A primary key
- C. A secret access key
- D. A user ID
- E. A secondary key

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 76**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 77**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 78**

A security engineer wants a single-tenant AWS solution to create, control, and manage their own cryptographic keys to meet regulatory compliance requirements for data security. Which AWS service should the engineer use?

- A. AWS Key Management Service (AWS KMS)
- B. AWS Certificate Manager (ACM)
- C. AWS CloudHSM
- D. AWS Systems Manager

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 79**

AWS trusted advisor can monitor and provide advice on what characteristics of an AWS account?

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 80**

When comparing AWS cloud with premises total cost of ownership which expenses must be considered?

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 81**

Which AWS service does AWS Snowball Edge natively support?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 82**

What are the market advantages of running workloads in the AWS cloud?

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 83**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 84**

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.
- D. Implement elasticity.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

[https://www.slideshare.net/AmazonWebServices/best-practices-for-architecting-in-the-cloud-jeffbarr/10-Design\\_for\\_Failure\\_with\\_AWS](https://www.slideshare.net/AmazonWebServices/best-practices-for-architecting-in-the-cloud-jeffbarr/10-Design_for_Failure_with_AWS) "Multi-AZ Application Deployment and Data replication"

**QUESTION 85**

A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone
- C. Launch the instances in multiple AWS Regions but in the same Availability Zone
- D. Launch the instances as EC2 Spot Instances in the same AWS Region but in different Availability Zones

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 86**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 87**

Which AWS service provides a report that enables users to assess AWS infrastructure compliance?

- A. AWS Certificate Manager (ACM)
- B. Amazon DocumentDB (with MongoDB compatibility)
- C. AWS Artifact
- D. AWS Trusted Advisor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 88**

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

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

**Correct Answer:** A



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 89**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 90**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 91**

Which security-related task is the responsibility of the customer in the AWS cloud?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 92**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 93**

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

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 94**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 95**

A user wants to optimize Amazon EC2 costs by performing which of the following tasks? (Select TWO )

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

**Correct Answer:** AD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 96**

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

- A. Dedicated Hosts
- B. Reserved Instances

- C. On-Demand Instances
- D. No Upfront Reserved Instances

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 97**

What technology enables compute capacity to adjust as loads change?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 98**

Which of the following are AWS compute services? (Select TWO.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

**Correct Answer:** AD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 99**

What does Amazon CloudFront provide?

- A. Automatic scaling for all resources to power an application from a single unified interface
- B. Secure delivery of data, videos application. and APIs to users globally with low latency
- C. Ability to directly manage traffic globally through a variety of routing types, including latencybased routing, geo ONS. Geoproximity, and weighted round robin
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers. IP addresses, and AWS Lambda functions

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 100**

Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Topic 2, Exam Pool B

#### QUESTION 101

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 102

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

<https://www.architech.ca/re-architect-applications/>

#### QUESTION 103

A company uses Amazon EC2 Instances in its AWS account for several different workloads. The company needs to perform an analysis to understand the cost of each workload. What is the MOST operationally efficient way to meet this requirement?

- A. Move the EC2 instances for each workload into separate AWS accounts.
- B. Use a different EC2 instance family for each of the workloads.
- C. Add cost allocation tags to each EC2 instance, and activate the tags
- D. Update the workload applications to publish usage data to a cost allocation database.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 104**

If a user has an AWS account with an enterprise level AWS support plan, who is the primary point of contact for billing or account inquiries?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 105**

What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- A. It simplifies relational database administration tasks.
- B. It provides 99.9999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enabled users to dynamically adjust CPU and RAM resources.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

**QUESTION 106**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 107**

Which AWS service or tool simplifies the creation, maintenance, validation, sharing and deployment of Linux or Windows Server templates for use with Amazon EC2 and on premises VMs?

- A. AWS CodePipeline
- B. Amazon EC2 Image Builder
- C. AWS CloudFormation
- D. Amazon EC2 Amazon Machine Image (AMI)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 108**

Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 109**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 110**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 111**

AWS trusted advisor provides recommendations on which of the following?

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 112**

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

- A. Amazon S3 Glacier
- B. AW5 Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 113**

A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance. Which service will meet these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. AWS Cloud Formation

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 114**

Which pricing model will interrupt a running amazon EC2 instance if capacity becomes temporarily unavailable?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 115**

Which AWS service will track user activity on AWS?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor

- C. AWS CloudTrail
- D. Amazon CloudWatch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 116**

Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed, such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access
- D. Amazon S3 Glacier

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 117**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 118**

Which AWS services offer compute capabilities?

- A. Amazon FC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS Lambda

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 119**

When using Amazon RDS what is the customer responsible for?



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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 120**

Which is a recommended pattern for designing a highly available architecture on AWS?

- A. Ensure that components have low-latency network connectivity.
- B. Run enough Amazon EC2 instances to operate at peak load.
- C. Ensure that the application is designed to accommodate failure of any single component.
- D. Use a monolithic application that handles all operations.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 121**

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market Which AWS Cloud feature can provide this?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 122**

Which of the following are general AWS Cloud design principles described in the AWS Well- Architected Framework? (Select TWO.)

- A. Consolidate key components into monolithic architectures.
- B. Test systems at production scale.
- C. Provision more capacity than a workload is expected to need.
- D. Drive architecture design based on data collected about the workload behavior and requirements.
- E. Make AWS Cloud architectural decisions static, one-time events.

**Correct Answer: AB**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 123**

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

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon Machine Image
- C. Amazon EC2 Systems Manager
- D. Amazon AppStream 2.0

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 124**

Which AWS Cloud service provides performance recommendations for an AWS account?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 125**

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

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 126**

Which tool should a developer use to integrate AWS service features directly into an application?

- A. AWS Software Development Kit
- B. AWS CodeDeploy
- C. AWS Lambda
- D. AWS Batch

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 127**

Which tasks require the use of the AWS account root user? (Select TWO.)

- A. Launching a new Amazon EC2 instance
- B. Viewing AWS CloudTrail logs
- C. Contacting AWS Support
- D. Changing AWS Support plans
- E. Changing billing currency

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Tasks that require root user credentials

We recommend that you use an IAM user with appropriate permissions to perform tasks and access AWS resources. However, you can perform the tasks listed below only when you sign in as the root user of an account.

Tasks

Change your account settings. This includes the account name, email address, root user password, and root user access keys. Other account settings, such as contact information, payment currency preference, and Regions, do not require root user credentials.

Restore IAM user permissions. If the only IAM administrator accidentally revokes their own permissions, you can sign in as the root user to edit policies and restore those permissions.

Activate IAM access to the Billing and Cost Management console.

View certain tax invoices. An IAM user with the aws-portal:ViewBilling permission can view and download VAT invoices from AWS Europe, but not AWS Inc or Amazon Internet Services Pvt. Ltd (AISPL).

Close your AWS account.

Change your AWS Support plan or Cancel your AWS Support plan. For more information, see IAM for AWS Support Register as a seller in the Reserved Instance Marketplace.

Configure an Amazon S3 bucket to enable MFA (multi-factor authentication) Delete.

Edit or delete an Amazon S3 bucket policy that includes an invalid VPC ID or VPC endpoint ID.

Sign up for GovCloud.

**QUESTION 128**

Access keys in AWS Identity and Access Management (IAM) are used to:

- A. log in to the AWS Management Console
- B. make programmatic calls to AWS from AWS APIs
- C. log in to Amazon EC2 instances
- D. authenticate to AWS CodeCommit repositories

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 129**

What are the immediate benefits of using the AWS Cloud? (Select TWO.)

- A. Increased IT staff
- B. Capital expenses are replaced with variable expenses.
- C. User control of infrastructure
- D. Increased agility.
- E. AWS holds responsibility for security in the cloud.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 130**

How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

- A. They automatically add more instances across multiple AWS Regions based on global demand of the application
- B. They automatically add or replace instances across multiple Availability Zones when the application needs it
- C. They enable the application's content to reside closer to end users
- D. They are able to distribute incoming requests across a tier of web server instances

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 131**

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. When Amazon EC2 instance pricing option will meet these requirements?

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Dedicated instances and dedicated hosts are separate offerings. The difference is that a dedicated instance is partitioned under a hypervisor on a dedicated server and can still share instances within your account, while a dedicated host is a complete physical machine with a single partition.

Dedicated Instance = a partition on a machine that will only host instances from your account  
Dedicated Host = a physical machine with a single partition  
The Dedicated Host is the physical server, while an instance is a server that is dedicated to your account that may contain multiple EC2 instances.

<https://aws.amazon.com/ec2/pricing/dedicated-instances/>

**QUESTION 132**

What can users access from AWS Artifact?

- A. AWS security and compliance documents
- B. A download of configuration management details for all AWS resources
- C. Training materials for AWS services
- D. A security assessment of the applications deployed in the AWS Cloud

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 133**

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base. Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Select TWO.)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect

- D. Amazon CloudFront
- E. AWS Lambda

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 134**

A company's security policy requires the company to keep a record of all changes that are made to Amazon EC2 security groups. The record must include information about who made the change and when the change was made. Which AWS service will provide this information?

- A. AWS Lambda
- B. Amazon CloudWatch
- C. AWS WAF
- D. AWS CloudTrail

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 135**

Which design principles of the AWS Well-Architected Framework help increase reliability? (Select TWO.)

- A. Automatically recover from failure
- B. Enable traceability.
- C. Scale horizontally to increase workload availability.
- D. Automate security best practices
- E. Keep people away from data

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 136**

Which actions allow a company's security team to improve the security procedures for employees accessing AWS resources? (Select TWO.)

- A. Create IAM users for groups of employees to share
- B. Create IAM policies based on least privilege principles
- C. Create IAM users in different Availability Zones
- D. Enable multi-factor authentication for privileged users
- E. Specify an individual IAM user for each Amazon EC2 instance

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 137**

How can users protect against distributed denial of service (DDoS) attacks in the AWS Cloud?

- A. Use Amazon CloudWatch monitoring.
- B. Configure a firewall.
- C. Use Amazon Redshift
- D. Monitor AWS CloudTrail logging

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 138**

What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 139**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 140**

Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Organizations
- D. Consolidated billing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 141**

A company has an uninterruptible application that runs on Amazon EC2 instances. The application constantly processes a backlog of files in an Amazon Simple Queue Service (Amazon SQS) queue. This usage is expected to continue to grow for years.

What is the MOST cost-effective EC2 instance purchasing model to meet these requirements?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 142**

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.

What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 143**

Which AWS services and features are provided to all customers at no charge? (Select TWO.)

- A. Amazon Aurora
- B. VPC
- C. Amazon SageMaker
- D. AWS Identity and Access Management (IAM)
- E. Amazon Polly

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 144**

Which AWS service should be used to monitor Amazon EC2 instances for CPU and network utilization?

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

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 145**

Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 146**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 147**

Which AWS services can be used to gather information about AWS account activity? (Select TWO.)

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

**Correct Answer: CE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data.

Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services.

AWS CloudHSM is a cloud-based hardware security module (HSM) that enables you to easily generate and use your own encryption keys on the AWS Cloud. With CloudHSM, you can manage your own encryption keys using FIPS 140-2 Level 3 validated HSMs.

**QUESTION 148**

Users are reporting latency when connecting to an website with a global customer base.



Which AWS service will following can an AWS customer use to launch educing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 149**

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

- A. The ability to receive one bill for multiple accounts
- B. Service limits increasing by default in all accounts
- C. A fixed discount on the monthly bill
- D. Potential volume discounts, as usage in all accounts is combined
- E. The automatic extension of the master account's AWS support plan to all accounts

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

**QUESTION 150**

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

- A. Add an Application Load Balancer in front of the EC2 instance
- B. Configure EC2 Auto Recovery to move the instance to another Availability Zone.
- C. Migrate to Amazon RDS and enable Multi-AZ.
- D. Enable termination protection for the EC2 instance to avoid outages.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 151**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 152**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Predictive Scaling predicts future traffic based on daily and weekly trends, including regularly occurring spikes, and provisions the right number of EC2 instances in advance of anticipated changes.

Provisioning the capacity just in time for an impending load change makes Auto Scaling faster than ever before.

**QUESTION 153**

Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Select TWO.)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 154**

A company has stopped all of its Amazon EC2 instances but monthly billing charges continue to occur.

What could be causing this? (Select TWO.)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 155**

Which AWS service gives users the ability to build interactive business intelligence dashboards that include machine learning insights?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 156**

A company has an application that needs to invoke AWS services, including Amazon Kinesis Data Firehose, AWS Lambda, and AWS CodePipeline. Which AWS service should the company use to meet this requirement?

- A. Amazon Simple Email Service (Amazon SES)
- B. Amazon EventBridge (Amazon CloudWatch Events)
- C. Amazon Kinesis Data Streams
- D. AWS Database Migration Service (AWS DMS)

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 157**

A company needs to allocate AWS costs across three different departments running in a single VPC. Each department has a number of Amazon EC2 instances dedicated to the applications that are specific to the given department. How can the costs be allocated across the three departments?

- A. Have each department tag their resources, then run a cost allocation report.
- B. Create an AWS IAM account with billing access and use the AWS CLI to view EC2 instance use statistics.
- C. Enable billing alerts through Amazon CloudWatch
- D. Configure three VPCs, allocating one for each department

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 158**

A company wants to deploy its application on AWS by using Amazon EC2 instances. The application has flexible start times and end times. The application also can be restarted if necessary. Which instance purchasing option is the MOST cost-effective for this use case?

- A. Savings Plans
- B. Reserved Instances
- C. Spot Instances
- D. On-Demand Instances

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 159**

Which of the following common IT tasks can AWS cover to free up company IT resources? (Select TWO.)

- A. Patching databases software
- B. Testing application releases
- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 160**

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 161**

A VPC spans across:

- A. AWS Regions.
- B. Availability Zones.
- C. edge locations.
- D. corporate networks.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 162**

A cloud practitioner wants information on the state of an existing AWS environment compared against established best practices Which AWS services or features should the cloud practitioner use to obtain this information? (Select TWO.)

- A. AWS Artifact
- B. AWS Solutions Library
- C. AWS Trusted Advisor
- D. AWS Well-Architected Tool
- E. AWS Personal Health Dashboard

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 163**

Which AWS service requires the customer to patch the guest operating system?

- A. AWS Lambda
- B. Amazon Elasticsearch Service (Amazon ES)
- C. Amazon EC2
- D. Amazon ElastiCache

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 164**

A user is building an application on AWS that requires a backend database. The application requires access to the operating system of the instance where the database is installed in order to run scripts. Where should the database be hosted if the user's goal is to create minimum management overhead?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 165**

Which of the following will help a user determine if they need to request a VPC service limit increase?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Cost and Usage Report
- D. AWS Service Catalog

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Cost and Usage Reports tracks your AWS usage and provides estimated charges associated with your account. Each report contains line items for each unique combination of AWS products, usage type, and operation that you use in your AWS account.

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

AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. ... The dashboard displays relevant and timely information to help you manage events in progress, and provides proactive notification to help you plan for scheduled activities.

AWS Service Catalog allows organizations to create and manage catalogs of IT services that are approved for use on AWS. These IT services can include everything from virtual machine images, servers, software, and databases to complete multi-tier application architectures.

**QUESTION 166**

Which AWS feature enables users to categorize and track their AWS costs?

- A. Cost Allocation Tags

- B. AWS Trusted Advisor
- C. AWS Price List API
- D. AWS Organizations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 167**

A company has a business-critical Amazon RDS for MySQL DB instance that resides in a single Availability Zone. Which solution will improve the availability of the DB instance?

- A. Convert the DB instance into a multi-Region deployment.
- B. Create an Amazon Simple Queue Service (Amazon SQS) queue in the same AWS Region to manage writes to the DB instance.
- C. Convert the DB instance into a Multi-AZ deployment.
- D. Create an Amazon Simple Queue Service (Amazon SQS) queue in a different AWS Region to manage writes to the DB instance

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 168**

How can a company maximize its application uptime in the AWS Cloud?

- A. Deploy multiple copies of the application in different Availability Zones in the same subnet. Fail over with Amazon Route 53.
- B. Deploy multiple copies of the application across multiple Availability Zones within a VPC. Manually fail over if one site is unavailable.
- C. Deploy the application to a single Availability Zone and fall back to a static page if the application is unavailable.
- D. Deploy multiple copies of the application across multiple Availability Zones and load balance across each Availability Zone for automatic failover

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 169**

A company wants to allow full access to an Amazon S3 bucket for a particular user.

Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal
- B. Action
- C. Resource
- D. Statement

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 170**

Which service's PRIMARY purpose is software version control?

- A. Amazon CodeStar
- B. AWS Command Line Interface (AWS CLI)
- C. Amazon Cognito
- D. AWS CodeCommit

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 171**

Which of the following security-related services does AWS offer? (Select TWO.)

- A. Multi-factor authentication physical tokens
- B. AWS Trusted Advisor security checks
- C. Data encryption
- D. Automated penetration testing
- E. Amazon S3 copyrighted content detection

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS encrypts data in transit and AWS Trusted Advisor is an application that draws upon best practices learned from AWS' aggregated operational history of serving hundreds of thousands of AWS customers. Trusted Advisor inspects your AWS environment and makes recommendations for saving money, improving system performance, or closing security gaps.

**QUESTION 172**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 173**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 174**

Who is responsible for managing IAM user access and secret keys according to the AWS shared responsibility model?

- A. IAM access and secret keys are static, so there is no need to rotate them
- B. The customer is responsible for rotating keys.
- C. AWS will rotate the keys whenever required.
- D. The AWS Support team will rotate keys when requested by the customer.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 175**

What does the AWS Cloud provide to increase the speed and agility of execution for customers?  
(Select TWO.)

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 176**

How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Select TWO.)

- A. Users can take advantage of managed services on AWS.
- B. Users can outsource operating system patching to the AWS Support team.
- C. AWS Professional Services will upgrade instances to the latest operating system versions.
- D. Users have the ability to use license-included Amazon EC2 instances.
- E. Users can take advantage of AWS Systems Manager features.

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 177**

A customer needs to run a MySQL database that easily scales.  
Which AWS service should they use?

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



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 178**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 179**

How does AWS CloudFormation help users operate in the AWS Cloud?

- A. It supports the simple coding of cloud-native applications
- B. It monitors the cloud environment
- C. It automates the responses to threats, reducing remediation and recovery time
- D. It provides the ability to model and provision the resources needed for applications

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 180**

Which AWS service or feature is used to troubleshoot network connectivity issues between Amazon EC2 instances?

- A. AWS Certificate Manager (ACM)
- B. Internet gateway
- C. VPC Flow Logs
- D. AWS CloudHSM

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 181**

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

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

D. AWS Budgets

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 182**

According to the AWS shared responsibility model, which of the following are AWS responsibilities?  
(Select TWO)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 183**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 184**

Which AWS service or tool helps to centrally manage billing and allow controlled access to resources across AWS account?

- A. AWS Identity and Access Management (IAM)
- B. AWS Organizations
- C. Cost Explorer
- D. AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 185**

A company needs to store database backups. The company must be able to retrieve the data in minutes Backup restorations will take place once a year. Which AWS solution should the company use to meet these requirements at the LOWEST cost?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 186**

Which AWS service or tool should a company use to centrally request and track service limit increases?

- A. AWS Config
- B. Service Quotas
- C. AWS Service Catalog
- D. AWS Budgets

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 187**

What is a benefit of using AWS serverless computing?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 188**

Which AWS service provides a view of the health of the specific services that a company is using in its AWS account?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 189**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 190**

A company has decided to migrate its production workloads to the AWS Cloud.

Which actions can help reduce operational costs as part of the migration? (Select TWO.)

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

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 191**

A customer is deploying a new serverless application running on AWS Lambda.

Which of the following are the customer's responsibilities under the AWS shared responsibility model? (Select TWO.)

- A. Application management
- B. Platform management
- C. Application identity and access
- D. Storage infrastructure
- E. AWS global infrastructure

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 192**

Which AWS service enables companies to deploy an application close to end users?

- A. Amazon CloudFront
- B. AWS Auto Scaling
- C. AWS AppSync
- D. Amazon Route 53

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 193**

Which AWS service or feature is associated with a subnet in a VPC and is used to control inbound and outbound traffic?

- A. Amazon Inspector
- B. Network ACLs
- C. AWS Shield
- D. VPC Flow Logs

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 194**

A company wants to deploy and manage a Docker-based application on AWS.

Which solution meets these requirements with the LEAST amount of operational overhead?

- A. An open-source Docker orchestrator on Amazon EC2 instances
- B. AWS AppSync
- C. Amazon Elastic Container Registry (Amazon ECR)
- D. Amazon Elastic Container Service (Amazon ECS)

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 195**

A company has a compliance requirement to encrypt data in transit and at rest The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes.

Which combination of AWS services should the company use to stay compliant with this requirement? (Select TWO.)

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Certificate Manager (ACM)
- D. AWS Secrets Manager
- E. AWS Key Management Service (AWS KMS)

**Correct Answer:** CE

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 196**

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

- A. Amazon S3
- B. Amazon DynamoDB

- C. Amazon Redshift
- D. Amazon Aurora

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

#### QUESTION 197

Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency high throughput, and redundancy?

- A. Economies of scale
- B. Security
- C. Elasticity
- D. Global reach

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

#### QUESTION 198

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

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

#### QUESTION 199

A user needs a relational database but does not have the resources to manage the hardware, resiliency, and replication Which AWS service option meets the user's requirements?

- A. Run MySQL on Amazon Elastic Container Service (Amazon ECS)
- B. Run MySQL on Amazon EC2
- C. Choose Amazon RDS for MySQL
- D. Choose Amazon ElastiCache for Redis

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

#### QUESTION 200

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

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 201**

A company is releasing a business-critical application. Before the release, the company needs strategic planning assistance from AWS. During the release, the company needs AWS infrastructure event management and real-time support. What should the company do to meet these requirements?

- A. Access AWS Trusted Advisor
- B. Contact the AWS Partner Network (APN)
- C. Sign up for AWS Enterprise Support
- D. Contact AWS Professional Services

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 202**

Which AWS services or features can a company use to connect the network of its on-premises data center to AWS? (Select Two.)

- A. AWS VPN
- B. AWS Directory Service
- C. AWS Data Pipeline
- D. AWS Direct Connect
- E. AWS CloudHSM

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 203**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 204**

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

- A. Sybase
- B. Microsoft SQL Server
- C. IBM DB2
- D. MongoDB
- E. PostgreSQL

**Correct Answer:** BE

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 205**

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

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

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 206**

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

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

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 207**

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

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

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



**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 208**

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

- A. Create an IAM user account for the auditor, granting the auditor administrator permissions
- B. take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor
- C. Download the IAM credential report, then provide the report to the auditor
- D. Download the AWS Trusted Advisor report, then provide the report to the auditor

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 209**

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

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 210**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 211**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 212**

A company uses Amazon DynamoDB in its AWS cloud architecture.

According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Select Two.)

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 213**

A company wants to rightsize its infrastructure to control costs. At which points should the company rightsize? (Select Two.)

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 214**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Organizations is an account management service that enables you to consolidate multiple AWS accounts into an organization that you create and centrally manage. As an administrator of an organization, you can create accounts in your organization and invite existing accounts to join the organization.

**QUESTION 215**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 216**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 217**

A company needs general architectural guidance about how to use AWS services for various use cases, workloads, and applications. What is the LEAST expensive AWS Support plan that provides this guidance?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 218**

A user should contact the AWS Abuse team to report which situations? (Select Two.)

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

**Correct Answer:** CD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 219**

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

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 220**

A company is using multiple Availability Zones to deploy AWS Cloud architecture.  
Which design principle of the AWS Well-Architected Framework does this example represent?

- A. Implement elasticity
- B. Decouple architecture components
- C. Design for high availability
- D. Thing parallel

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 221**

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

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 222**

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

- A. Consolidated billing

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 223**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 224**

Which AWS services or features enable users to connect on-premises networks to a VPC? (Select Two.)

- A. AWS VPN
- B. Elastic Load Balancing
- C. AWS Direct Connect
- D. VPC peering
- E. Amazon CloudFront

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 225**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 226**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 227**

Elasticity in the AWS Cloud refers to which of the following? (Select Two.)

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 228**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 229**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 230**

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

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

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 231**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 232**

A media company uploads audio and video files to a centralized Amazon S3 bucket from locations that are geographically dispersed. Which AWS solution will optimize transfer speeds for these files?

- A. AWS Global Accelerator
- B. S3 Transfer Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 233**

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

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

D. AWS Marketplace

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 234**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 235**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Storage Gateway is a set of hybrid cloud services that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to integrate AWS Cloud storage with existing on-site workloads so they can simplify storage management and reduce costs for key hybrid cloud storage use cases. These include moving backups to the cloud, using on-premises file shares backed by cloud storage, and providing low latency access to data in AWS for on-premises applications.

To support these use cases, Storage Gateway offers four different types of gateways – Amazon S3 File Gateway, Amazon FSx File Gateway, Tape Gateway, and Volume Gateway – that seamlessly connect on-premises applications with cloud storage. Moving data to the cloud for advanced AWS Cloud storage capabilities and caching data locally for low-latency access gives you the best of cloud and on-premises. Applications connect to the service through a virtual machine or gateway hardware appliance using standard storage protocols, such as NFS, SMB, and iSCSI. The gateway connects to AWS storage services, such as Amazon S3, Amazon S3 Glacier, Amazon S3 Glacier Deep Archive, Amazon FSx for Windows File Server, Amazon EBS, and AWS Backup, providing storage and data management for files, volumes, snapshots, and virtual tapes in AWS. The service includes an optimized and efficient data transfer mechanism, with bandwidth management and automated network resilience, and provides a consistent management experience using the AWS Console onpremises and in the AWS Cloud.

**QUESTION 236**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Explanation:

**QUESTION 237**

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

Which AWS service will meet these requirements?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 238**

A database administrator is trying to determine who deleted a critical Amazon Redshift cluster.

Which AWS service helps with monitoring and retaining this type of account activity?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 239**

Which of the following are user authentication services managed by AWS? (Select Two.)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 240**

A company hosts a web application on Amazon EC2 instances. The application requires credentials so that it can access other AWS services.

Which feature should the company use to provide this access?

- A. IAM users
- B. IAM groups

- C. IAM roles
- D. Multi-factor authentication (MFA)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 241**

Which tool or feature provides a report to forecast AWS billing costs for the next 3 months?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 242**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 243**

What does the AWS cloud provide to increase the speed and agility of execution for customers?  
(Select Two.)

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 244**

Which of the following are customer responsibilities under the AWS shared responsibility model?

(Select Two.)

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 245**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 246**

Which of the following is the responsibility of both AWS and the customer, according to the AWS shared responsibility model?

- A. AWS awareness and training
- B. Client-side data encryption
- C. Physical and environmental controls of AWS data centers
- D. Server-side data encryption

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 247**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 248**

Which AWS service should a company use to provide its employees with access to the AWS Management Console?

- A. AWS Identity and Access Management (IAM)
- B. Amazon Cognito
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 249**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 250**

Which services can be used to deploy applications on AWS? (Select Two.)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 251**

Which AWS service or feature provides a platform for building cloud-based customer service contact centers?

- A. Amazon Pinpoint
- B. Amazon Connect
- C. Amazon Athena
- D. AWS Enterprise Support

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 252**

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

- A. Amazon VPC
- B. Amazon CloudFront
- C. Amazon Route 53
- D. Amazon Connect

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 253**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 254**

A company needs a persistent cloud environment for development and testing for a project that will run for 3 months. Which Amazon EC2 instance purchasing option meets these requirements MOST cost-effectively?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 255**

Which AWS Support plan is recommended for business and mission-critical workloads in AWS environments?

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

**Correct Answer: A**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 256**

A large company is using the AWS Cloud for its business units. Each business unit uses one VPC for each business application. The company is acquiring other companies that have their own VPCs that run new applications. The company needs to manage connectivity between its existing VPCs and the newly acquired VPCs. Which AWS service can the company use to meet this requirement?

- A. AWS App Mesh
- B. AWS Cloud Map
- C. AWS Transit Gateway
- D. AWS Site-to-Site VPN

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 257**

Which AWS service is delivered regionally?

- A. AWS Shield
- B. Amazon S3
- C. Amazon Route 53
- D. AWS Identity and Access Management (IAM)

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 258**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 259**

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

- A. Amazon Pinpoint
- B. Amazon WorkLink

- C. AWS Outposts
- D. AWS Snowball Edge
- E. Aws AppSync

**Correct Answer:** CD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 260**

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

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 261**

Which of the following are AWS Support plans that provide access to the full set of AWS Trusted Advisor checks? (Select Two.)

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

**Correct Answer:** AC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 262**

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

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 263**

A company has launched a product that requires private connectivity from an on-premises network to a VPC. Which AWS service or functionality should the company use?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 264**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 265**

A company is running multiple workloads in the AWS Cloud and recently began investigating ways to reduce costs. The company is already running fault-tolerant workloads on Amazon EC2 that perform periodic checkpoints in case of an outage.

Which AWS service or pricing model can provide the GREATEST cost savings?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 266**

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:

**QUESTION 267**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 268**

Which of the following services has a primarily encryption-related purpose?

- A. AWS Security Token Service (AWS STS)
- B. Amazon EMR
- C. AWS Key Management Service (AWS KMS)
- D. Amazon Macie

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 269**

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

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

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 270**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 271**

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

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

**Correct Answer:** AC

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 272**

A company needs to use SQL to query data from Amazon S3.

Which AWS services or features can the company use to meet this requirement? (Select TWO.)

- A. AWS Data Exchange
- B. Amazon Athena
- C. S3 Select
- D. S3 Transfer Acceleration
- E. AWS Data Pipeline

**Correct Answer:** BD

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 273**

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

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

**Correct Answer:** D

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 274**

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

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

D. AWS Basic Support

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 275**

A company sells a device that uses automatic language recognition to respond to spoken questions The company wants to use deep learning and Natural language understanding to power this device. Which AWS service meets these requirements?

- A. Amazon Transcribe
- B. Amazon Comprehend
- C. Amazon Lex
- D. Amazon Polly

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 276**

A company needs to run code in response to an event notification that occurs when objects are uploaded to an Amazon S3 bucket Which AWS service will integrate directly with the event notification?

- A. AWS Lambda
- B. Amazon EC2
- C. Amazon Elastic Container Registry (Amazon ECR)
- D. AWS Elastic Beanstalk

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 277**

Which cloud characteristics enable a company to provision or release computing capacity as required? (Select Two.)

- A. Scalability
- B. Economies of scale
- C. Elasticity
- D. Agility
- E. Reliability

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 278**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Topic 3, Exam Pool C

#### QUESTION 279

Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 280

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 281

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 282**

A company has a compliance requirement to encrypt data in transit and at rest. The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer! and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes.

Which combination of AWS services should the company use to stay compliant with this requirement? (Select TWO.)

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Certificate Manager (ACM)
- D. AWS Secrets Manager
- E. AWS Key Management Service (AWS KMS)

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 283**

A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources Which AWS tool or service can be used to meet these requirements?

- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS CloudTrail
- D. AWS IAM

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 284**

Which of the following is a software development framework that a company can use to define cloud resources as code and provision the resources through AWS CloudFormation?

- A. AWS CLI
- B. AWS Developer Center
- C. AWS Cloud Development Kit (AWS CDK)
- D. AWS CodeStar

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 285**

A company uses Amazon EC2 instances and wants to maintain high availability in geographically distributed locations Which choice should the company make for the location of its EC2 instances?

- A. Use a single Availability Zone in multiple edge locations
- B. Use multiple Availability Zones in multiple AWS Regions
- C. Use multiple Availability Zones in a single AWS Region
- D. Use multiple Availability Zones in multiple edge locations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 286**

A company wants guidance to optimize the cost and performance of its current AWS environment. Which AWS service or tool should the company use to identify areas for optimization?

- A. Amazon QuickSight
- B. AWS Trusted Advisor
- C. AWS Organizations
- D. AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 287**

Which AWS service or tool allows users to visualize, understand, and manage AWS costs and usage over time?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 288**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 289**

Which AWS service is a fully hosted version control service?

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 290**

Which IPv4 internet address for Amazon EC2 instances is billed at an hourly rate?

- A. A dynamic IP address that is requested in excess of the Regional limit for each account
- B. An Elastic IP address that is associated with an EC2 instance that is running
- C. An Elastic IP address that is not associated with an EC2 instance that is running
- D. A bring your own IP address (BYOIP) that is assigned to an EC2 instance that is running

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 291**

Which activity is considered out of scope for AWS Support?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 292**

What are the benefits of consolidated billing for AWS Cloud services? (Select TWO.)

- A. Volume discounts
- B. A minimal additional fee for use
- C. One bill for multiple accounts
- D. Installment payment options
- E. Custom cost and usage budget creation

**Correct Answer: AC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 293**

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

- A. Reduce overprovisioned instances
- B. Rehost all third-party licenses on AWS
- C. Implement a highly available architecture

- D. Use managed services
- E. Improve application security

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 294**

Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 295**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 296**

Which Amazon EC2 pricing model provides the MOST cost savings for an always-up, right-sized database server running for a project that will last 1 year?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 297**

A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.



Which service will meet these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. AWS CloudFormation

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices.

Amazon CloudWatch is a monitoring and management service that provides data and actionable insights for AWS, hybrid, and on-premises applications and infrastructure resources. With CloudWatch, you can collect and access all your performance and operational data in form of logs and metrics from a single platform.

AWS Global Accelerator uses the vast, congestion-free AWS global network to route TCP and UDP traffic to a healthy application endpoint in the closest AWS Region to the user. If there's an application failure, AWS Global Accelerator provides instant failover to the next best endpoint.

CloudFormation creates a bucket for each region in which you upload a template file. The buckets are accessible to anyone with Amazon Simple Storage Service (Amazon S3) permissions in your AWS account. If a bucket created by CloudFormation is already present, the template is added to that bucket.

#### QUESTION 298

A company recently migrated data from on premises to Amazon Aurora.

How does the AWS shared responsibility model apply to this use case?

- A. AWS is responsible for the physical infrastructure on which the company's data resides. The company is responsible for everything else.
- B. AWS is responsible for installing the database application, updating the operating system, and performing maintenance
- C. The company is responsible for updating the operating system and performing software maintenance
- D. The company is responsible for the security of the hardware on which the database resides

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 299

Which AWS Trusted Advisor category contains information about high AWS service usage that could restrict the deployment of additional AWS resources?

- A. Security
- B. Fault tolerance
- C. Performance
- D. Service quotas

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 300

Which AWS service or tool should a company use to centrally request and track service limit increases?

- A. AWS Config
- B. Service Quotas
- C. AWS Service Catalog

D. AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 301**

Which AWS service offers the LEAST expensive means of storing static images?

- A. Amazon S3
- B. Amazon DynamoDB
- C. AWS Snowball
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 302**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 303**

A developer is writing a new application that consists of multiple AWS microservices. During quality assurance testing, the developer notices runtime errors in several areas of the application. Which AWS service should the developer use to help troubleshoot the errors?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 304**

What are characteristics of AWS IAM users and groups? (Select TWO.)

- A. Groups can be nested and can contain other groups

- B. A user can be a member of multiple groups
- C. Groups can contain users only and cannot be nested
- D. A user can only be a member of a single group at one time
- E. All new users are automatically added to a default group

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 305**

A company recently created its first AWS account.

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

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 306**

Which of the following is an AWS value proposition that describes a user's ability to scale infrastructure based on demand?

- A. Speed of innovation
- B. Resource elasticity
- C. Decoupled architecture
- D. Global deployment

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 307**

Which guidelines are best practices for using AWS Identity and Access Management (IAM)? (Select TWO.)

- A. Share access keys
- B. Create individual IAM users
- C. Use inline policies instead of customer managed policies
- D. Grant maximum privileges to IAM users
- E. Use groups to assign permissions to IAM users

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 308**

Which AWS service can be used to run Amazon EC2 instances on-premises at a user site?

- A. AWS Snowball Edge
- B. Amazon CloudFront
- C. Lambda@Edge
- D. AWS Lambda

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 309**

A company wants to archive its media data as soon as the data is generated. The company needs to store the data for several years Two or three times each year the company must access some of the data within 10 minutes of a request. Which Amazon S3 solution will meet these requirements MOST cost-effectively?

- A. S3 Standard
- B. S3 Glacier with expedited retrievals
- C. S3 Intelligent-Tiering
- D. S3 Glacier Deep Archive

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 310**

Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

As organizations manage growing volumes of data, identifying and protecting their sensitive data at scale can become increasingly complex, expensive, and time-consuming. Amazon Macie automates the discovery of sensitive data at scale and lowers the cost of protecting your data. Macie automatically provides an inventory of Amazon S3 buckets including a list of unencrypted buckets, publicly accessible buckets, and buckets shared with AWS accounts outside those you have defined in AWS Organizations. Then, Macie applies machine learning and pattern matching techniques to the buckets you select to identify and alert you to sensitive data, such as personally identifiable information (PII).

Macie's alerts, or findings, can be searched and filtered in the AWS Management Console and sent to Amazon EventBridge, formerly called Amazon CloudWatch Events, for easy integration with existing workflow or event management systems, or to be used in combination with AWS services, such as AWS Step Functions to take automated remediation actions. This can help you meet regulations, such as the Health Insurance Portability and Accountability Act (HIPAA) and General Data Privacy Regulation (GDPR). You can get started with Amazon Macie by leveraging the 30-day free trial for bucket evaluation. The trial includes 30-days of Amazon S3 bucket inventory and bucket-level security and access control assessment at no cost. Note that sensitive data discovery is not included in the 30-day free trial for bucket evaluation.

Benefits

Discover your sensitive data at scale

Amazon Macie uses machine learning and pattern matching to cost efficiently discover sensitive data at scale. Macie automatically detects a large and growing list of sensitive data types, including personal identifiable information (PII) such as names, addresses, and credit card numbers. The service also allows you to define your own custom sensitive data types so you can discover and protect the sensitive data that may be unique to your business or use case.

Visibility of your data security posture

Amazon Macie gives you constant visibility of the data security and data privacy of your data stored in Amazon S3. Macie automatically and continually evaluates all of your S3 buckets and alerts you to any unencrypted buckets, publicly accessible buckets, or buckets shared with AWS accounts outside those you have defined in the AWS Organizations. Macie provides native multi-account support so you can view your data security posture across your entire S3 environment from a single Macie administrator account.

Easy to setup and manage

Getting started with Amazon Macie is fast and easy with one-click in the AWS Management Console or a single API call. Macie provides multi-account support using AWS Organizations, so you can enable Macie across all of your accounts with a few clicks. Macie maintains a fully-managed set of sensitive data types, so there is no custom configuration required.

**QUESTION 311**

A user wants to identify any security group that is allowing unrestricted incoming SSH traffic Which AWS service can be used to accomplish this goal?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 312**

A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported for management review.

Which AWS service or feature should be used to accomplish these tasks?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon QuickSight is a scalable, serverless, embeddable, machine learning-powered business intelligence (BI) service built for the cloud. QuickSight lets you easily create and publish interactive BI dashboards that include Machine Learning-powered insights. QuickSight dashboards can be accessed from any device, and seamlessly embedded into your applications, portals, and websites. QuickSight is serverless and can automatically scale to tens of thousands of users without any infrastructure to manage or capacity to plan for. It is also the first BI service to offer pay-per-session pricing, where you only pay when your users access their dashboards or reports, making it cost-effective for large scale deployments. With QuickSight, you can ask business questions of your data in plain language and receive answers in seconds.

**QUESTION 313**

Which AWS service automatically handles application health monitoring?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 314**

Which AWS service gives users the ability to find, buy, and immediately start using third-party software solutions in their AWS environments?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS Systems Manager
- D. AWS Marketplace

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 315**

Which of the following security resources are supplied by AWS? (Select TWO.)

- A. Trusted Advisor checks
- B. Service intrusion metrics
- C. Penetration testing
- D. Educational webinars
- E. Peer-to-peer file-sharing detection

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 316**

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

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

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilitiesfor-trusted-advisor/>

**QUESTION 317**

A company's information security manager is supervising a move to AWS and wants to ensure that AWS best practices are followed. The manager has concerns about the potential misuse of AWS account root user credentials. Which of the following is an AWS best practice for using the AWS account root user credentials?

- A. Allow only the manager to use the account root user credentials for normal activities
- B. Use the account root user credentials only for Amazon EC2 instances from the AWS Free Tier
- C. Use the account root user credentials only when they alone must be used to perform a required function
- D. Use the account root user credentials only for the creation of private VPC subnets

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 318**

A company is building a web application and needs to test the application across different mobile devices and desktop browsers Which AWS service should the company use for this testing?

- A. AWS Amplify
- B. AWS AppSync
- C. Amazon Pinpoint
- D. AWS Device Farm

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 319**

A company wants to build an application for a new line of business.

According to the AWS Well-Architected Framework, what design principles should be implemented?

(Select TWO.)

- A. Consolidate multiple AWS accounts into a single account.
- B. Buy and host hardware in the AWS Cloud
- C. Decouple the AWS Cloud architecture to break up monolithic deployments
- D. Move on-premises network hardware to VPCs
- E. Design elasticity into the AWS Cloud design

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 320**

Which actions should a company take to avoid failure in an AWS architecture design? (Select TWO)

- A. Separate Amazon EC2 instances into different Availability Zones.
- B. Enable Alexa for Business for business applications
- C. Use Amazon Workspaces to reduce the need for operating system patching
- D. Use AWS Glue to prepare and load failover data
- E. Enable Amazon S3 Cross-Region Replication

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 321**

A user deploys an Amazon RDS DB instance in multiple Availability Zones This strategy involves which pillar of the AWS Well-Architected Framework?

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 322**

Which AWS service or tool provides information about the utilization of Reserved Instances?

- A. AWS Systems Manager
- B. Cost Explorer
- C. AWS Config2
- D. Amazon CloudWatch

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 323**

A company has a workload that requires data to be collected, analyzed and stored on premises The company wants to extend the use of AWS services to run on premises with access to the company network and the company's VPC. Which AWS service meets this requirement?

- A. AWS Outposts
- B. AWS Storage Gateway
- C. AWS Direct Connect
- D. AWS Snowball

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 324**

Which AWS feature grants temporary access to specific AWS resources?

- A. AWS IAM Access Analyzer
- B. Service control policies (SCPs)
- C. Access control lists (ACLs)
- D. IAM roles

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 325**

A company wants to use AWS storage services that support data lifecycle management to reduce the cost of storing files that are not accessed frequently. Which AWS services meets these requirements? (Select TWO.)

- A. Amazon FSx



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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 326**

Which of the following acts as an instance-level firewall to control inbound and outbound access?

- A. Network access control list
- B. Security groups
- C. AWS Trusted Advisor
- D. Virtual private gateways

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 327**

A company chooses an Amazon EC2 instance type that fits its usage requirements Which principle of the AWS Well-Architected Framework is the company following?

- A. Proactively monitor costs
- B. Rightsize the infrastructure
- C. Supply resources dynamically.
- D. Decommission unused resources

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 328**

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

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 329**

A company is running a reporting web server application on Amazon EC2 instances. The application runs once every week and once again at the end of the month. The EC2 instances can be shut down when they are not in use. What is the MOST cost-effective billing model for this use case?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 330

A user is comparing purchase options for an application that runs on Amazon EC2 and Amazon RDS.

The application cannot sustain any interruption. The application experiences a predictable amount of usage, including some seasonal spikes that last only a few weeks at a time. It is not possible to modify the application.

Which purchase option meets these requirements MOST cost-effectively?

- A. Review the AWS Marketplace and buy Partial Upfront Reserved Instances to cover the predicted and seasonal load.
- B. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run on Spot Instances.
- C. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run at an On-Demand rate.
- D. Buy Reserved Instances to cover all potential usage that results from the seasonal usage.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 331

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements.
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 332

Which of the following AWS Cloud services can be used to run a customer-managed relational database?

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon ElastiCache
- D. Amazon DynamoDB

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 333**

A company wants optimized pricing for its Amazon EC2 instances. The applications running on these instances cannot tolerate interruptions, and the workloads must remain in operation for at least 1 year. Which purchasing options should the company use to meet these requirements? (Select TWO.)

- A. Reserved Instances
- B. Spot Instances
- C. AWS Marketplace subscriptions
- D. Savings Plans
- E. Dedicated Hosts

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 334**

Which AWS Well-Architected Framework design principles support disaster recovery planning? (Select TWO.)

- A. Use Amazon S3 Glacier instead of Amazon S3 Standard
- B. Use multiple AWS Regions
- C. Use memory-optimized Amazon EC2 instances
- D. Use Multi-AZ deployments.
- E. Use virtual local area networks (VLANs)

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 335**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 336**

Amazon Elastic File System (Amazon EFS) and Amazon FSx offer which type of storage?

- A. File storage
- B. Object storage
- C. Block storage

D. instance store

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Elastic File System (Amazon EFS) and Amazon FSx for Windows File Server (Amazon FSx) are fully-managed AWS services that provide file-based storage for applications. Amazon EFS provides a simple, scalable, elastic file system for Linux-based workloads.

**QUESTION 337**

A company is designing AWS architecture that will add compute resources when the company needs them. The architecture also includes a disaster recovery plan with automatic failover Which pillar of the AWS Well-Architected Framework does this architecture represent?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 338**

What is the LEAST expensive AWS Support plan that provides users with technical phone supports?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 339**

A company wants to establish an encrypted network connection between applications at its onpremises data center and the applications that run in its AWS account. The connection must be over the public internet. Which AWS service can the company use to meet these requirements?

- A. AWS Direct Connect
- B. Amazon Route 53
- C. AWS Site-to-Site VPN
- D. AWS Snowball

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 340**

Which AWS service provides managed DDoS protection?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 341**

An online retail company is having a sale next month that will generate an increase in traffic for the company's application. The company plans to add new Amazon EC2 instances to support the increased demand on the application. The application must be able to accommodate the increase in traffic and cannot experience any downtime.

Which EC2 instance purchasing option will meet these requirements at the LOWEST cost?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 342**

A company plans to store sensitive data in an Amazon S3 bucket. Which task is the responsibility of AWS?

- A. Activate encryption at rest for the data
- B. Provide security for the physical infrastructure
- C. Train the company's employees about cloud security
- D. Remove personally identifiable information (PII) from the data

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 343**

A company is increasing the load on its Amazon RDS DB instance by generating reports How can the company reduce the load on the DB instance?

- A. Move the DB instance to a second VPC
- B. Create a read replica
- C. Perform frequent snapshots
- D. Use multiple Availability Zones

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 344**

A company runs Amazon EC2 instances in a research lab. The instances run for 3 hours each week and cannot be interrupted. What is the MOST cost-effective instance purchasing option to meet these requirements?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 345**

A company runs Amazon EC2 instances in a research lab. The instances run for 3 hours each week and cannot be interrupted. What is the MOST cost-effective instance purchasing option to meet these requirements?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 346**

A company wants to add a layer of security beyond user names and passwords to make the login to the AWS Management Console more secure. Which AWS service or feature can the company use to meet this requirement?

- A. Secret access keys
- B. AWS Security Token Service (AWS STS)
- C. Multi-factor authentication (MFA)
- D. IAM password policies

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 347**

Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 348**

An e-learning platform needs to run an application for 2 months each year. The application will be deployed on Amazon EC2 instances. Any application downtime during those 2 months must be avoided. Which EC2 purchasing option will meet these requirements MOST cost-effectively?

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

**Correct Answer: D**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 349**

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

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

**Correct Answer: D**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 350**

Which AWS service can identify underutilized Amazon EC2 instances and idle Amazon RDS DB instances in an AWS account?

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

**Correct Answer: B**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 351**

Which AWS service gives users the ability to develop loosely coupled microservices and improve service-to-service communication?

- A. AWS Service Catalog
- B. AWS Direct Connect
- C. Amazon EventBridge (Amazon CloudWatch Events)
- D. Amazon CloudWatch Logs

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 352**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 353**

A company is investigating the possibility of keeping some services in its on-premises data center and having some resources in the AWS Cloud. The company currently accesses AWS over the public internet. Which AWS service or feature will facilitate private connectivity between the on-premises servers and the AWS resources?

- A. NAT gateway
- B. AWS Direct Connect
- C. Amazon S3 Transfer Acceleration
- D. AWS WAF

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 354**

Which AWS service has a feature to analyze real-time data as the data is streamed into AWS data storage systems?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. Amazon Kinesis
- C. Amazon Athena
- D. Amazon S3

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Kinesis makes it easy to collect, process, and analyze real-time, streaming data so you can get timely insights and react quickly to new information. Amazon Kinesis offers key capabilities to cost-effectively process streaming data at any scale, along with the flexibility to choose the tools that best suit the requirements of your application. With Amazon Kinesis, you can ingest real-time data such as video, audio, application logs, website clickstreams, and IoT telemetry data for machine learning, analytics, and other applications. Amazon Kinesis enables you to process and analyze data as it arrives and respond instantly instead of having to wait until all your data is collected before the processing can begin.

**QUESTION 355**

A developer needs to access AWS resources from the AWS CLI.

Which feature in AWS Identity and Access Management (IAM) can the developer use for authentication?



- A. IAM access keys
- B. IAM policy
- C. IAM role
- D. Account password policy

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 356**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

On-demand – The Most Flexible. As the name implies, on-demand is the most flexible, pay-as-you-go pricing option. With on-demand instances, you pay for compute capacity on an hourly or per second basis and only pay for the EC2 instances you actually use.

**QUESTION 357**

A company is connecting multiple VPCs and on-premises networks. The company needs to use an AWS service as a cloud router to simplify peering relationships. Which AWS service can the company use to meet this requirement?

- A. AWS Direct Connect
- B. AWS Transit Gateway
- C. Amazon Connect
- D. Amazon Route 53

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 358**

A company is using on-premises Microsoft Active Directory federation to manage user identities and groups.

What AWS Identity and Access Management (IAM) setting maps the permissions for AWS services to the Active Directory user attributes?

- A. IAM users
- B. IAM access keys
- C. IAM roles
- D. IAM groups

**Correct Answer:** C

**Section:** (none)

**Explanation**

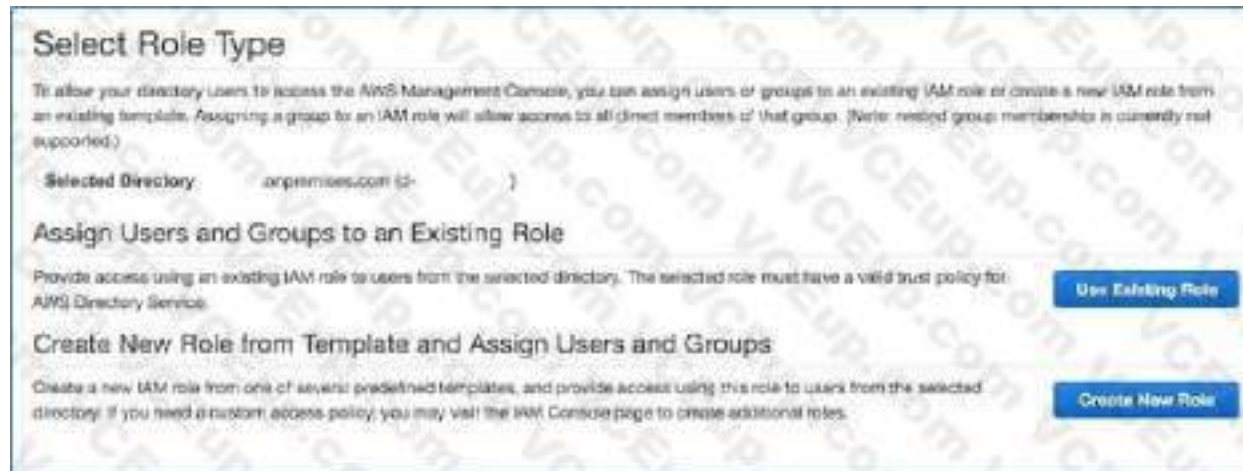
**Explanation/Reference:**

Explanation:

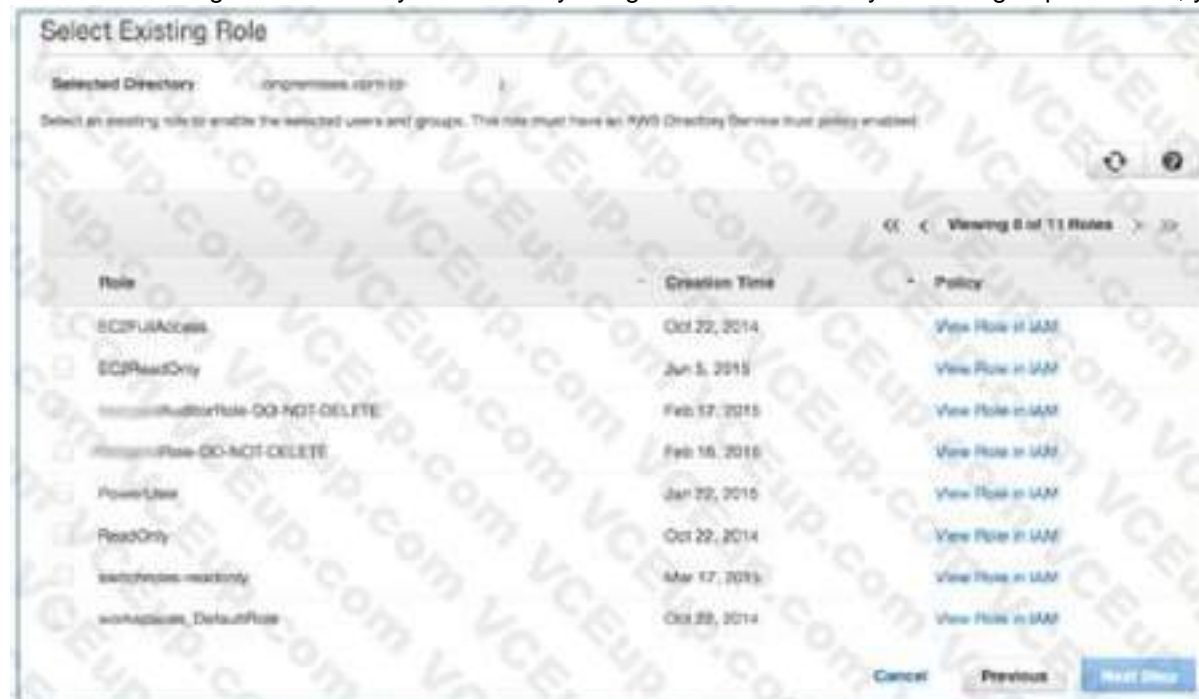
How to Connect Your On-Premises Active Directory to AWS Using AD Connector Assign users to roles Now that AD Connector is configured and you've created a role, your next job is to assign users or groups to those IAM roles. Role mapping is what governs what resources a user has access to within AWS. To do this you'll need to: Open the Directory Service console, and click the link to Manage Access.



Click Create New Role.



Click Use Existing Role. Note: If you've already assigned Active Directory users or groups to a role, you will be able to modify their membership by clicking the link for the role in the Directory Service console.



Select a role from the list, and then click Next Step.



Type the name of an Active Directory user or group in the search field.

Click Next Step.

Click Create Role Assignments.



When you're finished you should see the name of the user or group along with the corresponding Id for that object, as shown in the previous image.

The next time the user signs in to the AWS Management Console from the custom sign-in page, they will be signed in under the EC2ReadOnly security role.



Seamlessly join an instance to an Active Directory domain

Another advantage to using AD Connector is the ability to seamlessly join Windows (EC2) instances to your Active Directory domain. You may have read about this feature in the AWS Blog earlier this year. It's what allows you to join a Windows Server to the domain while the instance is being provisioned instead of using a script or doing it manually. This section of this blog post will explain the steps necessary to enable this feature in your environment and how the service works.

Step 1: Create a role

Until recently you had to manually create an IAM policy to allow an EC2 instance to access the SSM, an AWS service that allows you to configure Windows instances while they're running and on first launch. Now, there's a managed policy called AmazonEC2RoleforSSM that you can use instead. The role you are about to create will be assigned to an EC2 instance when it's provisioned, which will grant it permission to access the SSM service.

To create the role:

Open the IAM console.

Click Roles in the navigation pane.

Click Create Role.

Type a name for your role in the Role Name field.

Under AWS Service Roles, select Amazon EC2 and then click Select.

On the Attach Policy page, select AmazonEC2RoleforSSM and then click Next Step.

On the Review page, click Create Role.

#### QUESTION 359

Which AWS Support solution provides additional AWS technical support for critical customer events, such as new product launches?

- A. AWS Personal Health Dashboard
- B. Infrastructure event management
- C. Management business reviews
- D. AWS Developer Support

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Personal Health Dashboard is available for free to all AWS customers. AWS Health API is available to customers with Business or Enterprise Support subscriptions.

#### QUESTION 360

Which documentation does AWS Artifact provide?

- A. Amazon EC2 terms and conditions
- B. AWS ISO certifications
- C. A history of a company's AWS spending
- D. A list of previous-generation Amazon EC2 instance types

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 361

A company is managing millions of documents in hundreds of Amazon S3 buckets that are located in multiple AWS Regions. The company needs to find out if the S3 buckets are hosting information (PII). What can the company do to meet this requirement with the LEAST amount of operational overhead?

- A. Use Amazon Detective to identify any PII that is stored in the S3 buckets
- B. Use AWS Trusted Advisor to generate PII notifications
- C. Use Amazon Macie to identify and provide alerts about PII
- D. Use AWS Lambda functions to review each file in the S3 buckets to identify PII

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Macie automatically detects a large and growing list of sensitive data types, including personally identifiable information (PII) such as names, addresses, and credit card numbers. It also gives you constant visibility of the data security and data privacy of your data stored in Amazon S3.

#### QUESTION 362

Which statement describes a characteristic of the AWS global infrastructure?

- A. Edge locations contain multiple AWS Regions
- B. AWS Regions contain multiple Regional edge caches
- C. Availability Zones contain multiple data centers
- D. Each data center contains multiple edge locations

**Correct Answer:** C

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Explanation:

**QUESTION 363**

Which AWS services or features help protect Amazon EC2 instances from DDoS attacks by limiting network access to the instances? (Select TWO.)

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 364**

Which AWS services can a company use to transfer on-premises data to the AWS Cloud? (Select TWO.)

- A. AWS Snowcone
- B. AWS Transit Gateway
- C. AWS DataSync
- D. AWS Backup
- E. Amazon Connect

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Snowcone is the smallest member of the AWS Snow Family of edge computing, edge storage, and data transfer devices, weighing in at 4.5 pounds (2.1 kg) with 8 terabytes of usable storage. ...

Snowcone is ruggedized, secure, and purpose-built for use outside of a traditional data center.

AWS Transit Gateway connects VPCs and on-premises networks through a central hub. This simplifies your network and puts an end to complex peering relationships. It acts as a cloud router – each new connection is only made once.

AWS DataSync is an online data transfer service that simplifies, automates, and accelerates moving data between on-premises storage systems and AWS Storage services, as well as between AWS Storage services.

AWS Backup provides a centralized console to automate and manage backups across AWS services.

AWS Backup supports Amazon EBS, Amazon RDS, Amazon DynamoDB, Amazon EFS, Amazon FSx, Amazon EC2, and AWS Storage Gateway, to enable you to backup key data stores, such as your storage volumes, databases, and file systems.

Amazon Connect is an easy to use omnichannel cloud contact center that helps you provide superior customer service at a lower cost. Designed from the ground up to be omnichannel, Amazon Connect provides a seamless experience across voice and chat for your customers and agents.

**QUESTION 365**

A company wants to configure its AWS resources so that the resources can be easily deployed across different AWS Regions. The company wants the deployment to be as automated as. Which AWS service will meet these requirements?

- A. AWS CodeBuild
- B. AWS CodePipeline
- C. AWS CloudFormation
- D. Amazon CloudWatch

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Using AWS CodePipeline and AWS CloudFormation, you can use continuous delivery to automatically build and test changes to your AWS CloudFormation stacks before promoting them to production stacks. This release process lets you rapidly and reliably make changes to your AWS infrastructure. WS CloudFormation provides users with a simple way to create and manage a collection of Amazon Web Services (AWS) resources by provisioning and updating them in a predictable way. AWS CloudFormation enables you to manage your complete infrastructure or AWS resources in a text file.

**QUESTION 366**

What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

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

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 367**

Which AWS service provides users with recommendations for improving the quality of an application's code, and identifies the most expensive lines of code?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon CodeGuru is a developer tool that provides intelligent recommendations to improve code quality and identifying an application's most expensive lines of code.

**QUESTION 368**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

WS Certificate Manager is a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services and your internal connected resources. SSL/TLS certificates are used to secure network communications and establish the identity of websites over the Internet as well as resources on private networks. AWS Certificate Manager removes the time-consuming manual process of purchasing, uploading, and renewing SSL/TLS certificates.

With AWS Certificate Manager, you can quickly request a certificate, deploy it on ACM-integrated AWS resources, such as Elastic Load Balancers, Amazon CloudFront distributions, and APIs on API Gateway, and let AWS Certificate Manager handle certificate renewals. It also enables you to create private certificates for your internal resources and manage the certificate lifecycle centrally. Public and private certificates provisioned through AWS Certificate Manager for use with ACM-integrated services are free. You pay only for the AWS resources you create to run your application. With AWS Certificate Manager Private Certificate Authority, you pay monthly for the operation of the private CA and for the private certificates you issue.

**QUESTION 369**

Which AWS service supports a company's ability to treat infrastructure as code?

- A. AWS CodeDeploy
- B. AWS Elastic Beanstalk
- C. Amazon API Gateway
- D. AWS CloudFormation

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code.

#### QUESTION 370

Which AWS services can host PostgreSQL databases? (Select TWO.)

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon EC2
- D. Amazon Elasticsearch Service (Amazon ES)
- E. Amazon Elastic File System (Amazon EFS)

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 371

A company needs to use AWS technology to deploy a static website.

Which solution meets this requirement with the LEAST amount of operational overhead?

- A. Deploy the website on Amazon EC2.
- B. Host the website on AWS Elastic Beanstalk.
- C. Deploy the website with Amazon Lightsail.
- D. Host the website on Amazon S3.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 372

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

- A. Management of the guest operating systems
- B. Maintenance of the configuration of infrastructure devices
- C. Management of the host operating systems and virtualization
- D. Maintenance of the software that powers Availability Zones

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 373**

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI). Which actions can a system administrator take to connect to the EC2 instance? (Select TWO.)

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 374**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

On-Demand: This is the default, pay as you go pricing model. When you use resources (for example, EC2 instances or services such as DynamoDB on demand) you pay a flat rate, and you have no longterm commitments. You can increase or decrease the capacity of your resources or services based on the demands of your application. On-Demand has an hourly rate, but depending on the service, can be billed in increments of 1 second (for example Amazon RDS, or Linux EC2 instances). On demand is recommended for applications with short-term workloads (for example, a four-month project), that spike periodically, or unpredictable workloads that can't be interrupted. On demand is also suitable for workloads, such as pre-production environments, which require uninterrupted runtimes, but do not run long enough for a commitment discount (Savings Plans or Reserved Instances).

**QUESTION 375**

A social media company allows its public users to upload video content to an Amazon S3 bucket.

Some videos are popular and are accessed often. some videos are popular and are accessed often. some videos are accessed infrequently. The company wants to reduce its total storage cost.

Which actions will provide the MOST cost savings? (Select TWO.)

- A. Run S3 Transfer Acceleration for the S3 bucket.
- B. Ensure that the S3 bucket is in the most cost-effective AWS Region.
- C. Deactivate the default encryption for the S3 bucket.
- D. Use the S3 Intelligent-Tiering storage class.
- E. Use AWS DataSync to transfer files to the S3 bucket.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 376**

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



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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 377**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 378**

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 379**

A company suspects that its AWS resources are being used for harmful network activities, including port scanning and malware distribution.

- A. AWS Abuse team
- B. AWS technical account manager (TAM)
- C. AWS Concierge Support
- D. AWS Support team

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 380**

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

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 381**

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 382**

Which benefit is always free of charge with AWS, regardless of a user's AWS support plan?

- A. AWS Developer Support
- B. AWS Developer Forums
- C. Programmatic case management
- D. AWS technical account manager (TAM)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 383**

What is the MINIMUM AWS Support plan that offers a response time of less than 15 minutes for a business-critical outage?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 384**

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Trade capital expense for variable expense – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume.

Benefit from massive economies of scale – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.

Stop guessing capacity – Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often end up either sitting on expensive idle resources or dealing with limited capacity. With cloud computing, these problems go away. You can access as much or as little capacity as you need, and scale up and down as required with only a few minutes' notice.

Increase speed and agility – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.

Stop spending money running and maintaining data centers – Focus on projects that differentiate your business, not the infrastructure. Cloud computing lets you focus on your own customers, rather than on the heavy lifting of racking, stacking, and powering servers.

Go global in minutes – Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide lower latency and a better experience for your customers at minimal cost.

**QUESTION 385**

A company has set up its first VPC in the AWS Cloud the VPC includes two public subnets. The company needs to block access to all network traffic that destined for one of the two public subnets if the traffic is from a specific IP address that has identified as malicious.

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 386**

A company needs to set up a notification that provides an alert when the company's AWS account reaches a present spending limit. Which AWS service or tool can meet this requirement?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 387**

A company is preparing to launching a new web store that is expected to receive high traffic for an upcoming event. The web store runs only on AWS, and the company has an AWS Enterprise Support plan. Which AWS resource will provide guidance about how the company should scale its architecture and operational support during the event?

- A. AWS Abuse team
- B. The designated AWS technical account manager (TAM)
- C. AWS infrastructure event management
- D. AWS Professional Services

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Infrastructure Event Management (IEM) offers architecture and scaling guidance and operational support during the preparation and execution of planned events, such as shopping holidays, product launches, and migrations. For these events, AWS Infrastructure Event Management will help you assess operational readiness, identify and mitigate risks, and execute your event confidently with AWS experts by your side. The program is included in the Enterprise Support plan and is available to Business Support customers for an additional fee.

**QUESTION 388**

Which of the following is one of the five pillars of the AWS Well-Architected Framework?

- A. Efficiency and redundancy
- B. High availability
- C. Operational excellence
- D. Business optimization

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 389**

Which AWS service can a company use to manage encryption keys in the cloud?

- A. AWS License Manager
- B. AWS Certificate Manager (ACM)
- C. AWS CloudHSM
- D. AWS Directory Service

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 390**

A company sets up its AWS environment and creates eight IAM users for the development team.

Which of the following is a best practice for the company to follow to grant permissions to these IAM users?

- A. Apply the principle of least privilege. Create one password, and set the password for each user.
- B. Provide the development team members with AWS account root user access.
- C. Apply the principle of least privilege. Attach a separate IAM policy for each individual user.
- D. Apply the principle of least privilege. Grant access to an IAM group, and add the eight users to that group.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 391**

A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet. Which AWS service or feature can the company use to meet these requirements?

- A. Network ACL
- B. AWS WAF
- C. Route table
- D. Security group

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

A network access control list (ACL) is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC.

**QUESTION 392**

Which statements represent the cost-effectiveness of the AWS Cloud? (Select TWO.)

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

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 393**

Which AWS service or tool can automatically identify security groups that grant unrestricted internet access to a list of ports?

- A. AWS Firewall Manager
- B. AWS Trusted Advisor
- C. AWS Shield
- D. Amazon EC2 dashboard

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 394**

Which terms describe the on-demand AWS pricing model? (Select TWO.)

- A. Fixed term
- B. Pay-as-you-go
- C. Collocation
- D. Planned
- E. Variable expense

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 395**

Which AWS service or tool offers consolidated billing?

- A. AWS Artifact
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Trusted Advisor

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 396**

A company wants to build web and mobile applications that are scalable, secure, and easily integrated with AWS authentication services. What can the company use to develop these applications quickly and efficiently?

- A. AWS Elastic Beanstalk
- B. Amazon Lightsail
- C. AWS CodePipeline
- D. AWS Amplify

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 397**

Which AWS service provides a highly accurate and easy-to-use enterprise search service that is powered by machine learning (ML)?

- A. Amazon Kendra
- B. Amazon SageMaker
- C. Amazon Augmented AI (Amazon A2I)
- D. Amazon Polly

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 398**

Which actions are within the scope of AWS Support? (Select TWO.)

- A. Debugging custom software
- B. Troubleshooting operational problems with AWS resources
- C. Performing system administration tasks
- D. Investigating issues detected by health checks
- E. Developing application code

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS manages the infrastructure and foundation services, operating system, and application platform. You are responsible for customer data, encrypting that data, and protecting it through network firewalls and backups.

#### QUESTION 399

A company provides a web-based ecommerce service that runs in two Availability Zones within a single AWS Region. The web service distributes content that is stored in the Amazon S3 Standard storage class. The company wants to improve the web service's performance globally.

What should the company do to meet this requirement?

- A. Change the S3 storage class to S3 Intelligent-Tiering.
- B. Deploy an Amazon CloudFront distribution to cache web server content in edge locations.
- C. Use Amazon API Gateway for the web service
- D. Migrate the website ecommerce servers to Amazon EC2 with enhanced networking.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 400

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 401

Which AWS services are managed at the AWS Region level rather than globally? (Select TWO.)

- A. Amazon S3
- B. WS WAF
- C. Amazon EC2
- D. AWS Identity and Access Management (IAM)
- E. Amazon CloudFront

**Correct Answer:** AC

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 402**

Which of the following are included in AWS Enterprise Support? (Select TWO.)

- A. AWS technical account manager (TAM)
- B. AWS partner-led support
- C. AWS Professional Services
- D. Support of third-party software integration to AWS.
- E. 5-minute response time for critical issues

**Correct Answer:** AC

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 403**

Which AWS service is suited for use cases that require data system?

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

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 404**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 405**

Which AWS services or features enable a user to establish a network connection from on premises to the AWS Cloud?

- A. AWS Direct Connect
- B. AWS Snowball
- C. Amazon S3
- D. VPN connection



E. Amazon Connect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 406**

A company needs to run a workload for several batch image rendering applications. It is acceptable for the workload to experience downtime. Which Amazon EC2 pricing model would be MOST cost-effective in this situation?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 407**

A company is comparing the total cost of ownership (TCO) of resource deployment on premises with the TCO of resource deployment in the AWS Cloud Which costs apply only to on-premises deployments" (Select TWO)

- A. Operating system licensing
- B. Facility operations
- C. Application licensing
- D. Database administration
- E. Hardware procurement

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 408**

Which AWS service provides domain registration, DNS routing and service health checks?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 409**

Which Amazon S3 feature or storage class gives a company the ability to recover files that have been accidentally deleted?

- A. S3 Intelligent-Tiering
- B. S3 Standard
- C. S3 Lifecycle policies
- D. S3 Versioning

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 410**

What information is found on an AWS Identity and Access Management (IAM) credential report?  
(Select TWO.)

- A. The date and time when an IAM user's password was last used to sign in to the AWS Management Console
- B. The type of multi-factor authentication (MFA) device assigned to an IAM user.
- C. The User-Agent browser identifier for each IAM user currently logged in B
- D. Whether multi-factor authentication (MFA) has been enabled for an IAM user.
- E. The number of incorrect login attempts by each IAM user in the previous 30 days.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 411**

A company has a serverless application that includes an Amazon API Gateway DynamoDB database a function, and an Amazon Which AWS service can the company use to trace user requests as they move through the application s components ?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 412**

A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales. Which AWS service, tool, or feature should the company use to meet this requirement?

- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer rightsizing recommendations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 413**

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A. IAM policies
- B. Server-side encryption
- C. Amazon GuardDuty
- D. Client-side encryption

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 414**

Which AWS services or resources can a company use directly on its on-premises servers? (Select TWO.)

- A. AWSOpsWorks
- B. AWS CloudFormation
- C. AWS Storage Gateway
- D. Application Load Balancer
- E. Amazon Cognito

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 415**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 416**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 417**

Which disaster recovery option is the LEAST expensive?

- A. Warm standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 418**

What does "security of the cloud" refer to in the AWS shared responsibility model?

- A. Availability of AWS services such as Amazon EC2
- B. Security of the cloud infrastructure that runs all the AWS services
- C. Implementation of password policies for IAM users
- D. Security of customer environments by using AWS Network Firewall partners

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 419**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 420**

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine. Which AWS database service should the company choose?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Neptune
- D. Amazon DocumentDB (with MongoDB compatibility)

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 421**

Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Select TWO.)

- A. Service limits
- B. High utilization Amazon EC2 instances
- C. Security groups - specific ports unrestricted
- D. Load balancer optimization
- E. Large number of rules in an EC2 security group

**Correct Answer:** AC

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 422**

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB. What is the MOST operationally efficient solution to delegate permissions?

- A. Create an IAM role with the required permissions. Attach the role to the EC2 instance
- B. Create an IAM user and use its access key and secret access key in the application.
- C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance.
- D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Topic 4, Exam Pool D

**QUESTION 423**

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application. What can the company do to meet this requirement?

- A. Set up invoiced billing.
- B. Use AWS Artifact.
- C. Set budgets in Cost Explorer.
- D. Create cost allocation tags.

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 424**

A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53

- C. AWS Direct Connect
- D. VPC peering

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 425**

Which AWS service can a company use to directly query and analyze AWS Cost and Usage Reports?

- A. Amazon Elasticsearch Service (Amazon ES)
- B. Amazon Athena
- C. Amazon Aurora
- D. AWS Glue

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 426**

Which tasks require use of the AWS account root user? (Select TWO.)

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
- E. Closing an AWS account

**Correct Answer: AE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 427**

A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but user access must be controlled in a more secure and reliable way. Which AWS service or feature will meet these requirements?

- A. Security groups
- B. Amazon GuardDuty
- C. AWS Secrets Manager
- D. Amazon Cognito

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 428**

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances. Which benefit of the AWS Cloud does this example illustrate?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 429**

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice. Which benefit of the AWS Cloud describes these abilities?

- A. Reliability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 430**

Which AWS service can be used to decouple applications?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 431**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 432**

A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance. Which AWS service meets these requirements?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 433**

Which network security features are supported by Amazon VPC? (Select TWO.)

- A. Network ACLs
- B. Internet gateways
- C. VPC peering
- D. Security groups
- E. Firewall rules

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 434**

A company needs to review its AWS Cloud expense history by department. Each department has its own AWS account. Which AWS feature or tool can the company use to meet this requirement?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Purchase Order Management
- D. AWS Cost Anomaly Detection

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 435**

An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting. Which AWS service should the administrator use to address these concerns?

- A. AWS WAF
- B. Amazon VPC
- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Correct Answer:** A

**Section:** (none)



**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 436**

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.

What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 437**

A company wants to store internal reports in an Amazon S3 bucket. A compliance requirement states that unauthorized users must not be able to access any new data that is stored in the S3 bucket.

What should the company do to meet this requirement?

- A. Create a gateway VPC endpoint to the S3 bucket. Share only that endpoint with authorized users.
- B. Enable server-side encryption (SSE) with customer master keys (CMKs) that are available only to authorized users.
- C. Split the reports into multiple files before storing them in the S3 bucket.
- D. Apply an S3 bucket policy that provides access to the AWS account root user credentials. Instruct the root user to provide access to authorized users.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 438**

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 439**

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones.

Which AWS services should the company use to meet this requirement? (Select TWO.)

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)

- C. Amazon Aurora
- D. Amazon DynamoDB
- E. Amazon Redshift

**Correct Answer:** CD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 440**

A company wants to migrate its applications from on premises to the AWS Cloud. Which AWS service or feature can help automate the migration?

- A. AWS Data Exchange
- B. CloudEndure Migration
- C. AWS AppSync
- D. AWS CloudFormation

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 441**

Which AWS service gives a company the ability to use a private, dedicated connection between a VPC and an on-premises data center?

- A. AWS Direct Connect
- B. Amazon API Gateway
- C. AWS Systems Manager
- D. AWS CloudFormation

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 442**

Which AWS services can be used to store files? (Select TWO.)

- A. Amazon S3
- B. AWS Lambda
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon SageMaker
- E. AWS Storage Gateway

**Correct Answer:** AC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 443**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 444**

Which AWS service is a relational database compatible with MySQL and PostgreSQL?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 445**

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 446**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 447**

Which AWS service should a company use to continuously monitor the compliance of AWS resource configurations?

- A. AWS Organizations
- B. AWS Config
- C. AWS Artifact
- D. AWS Service Catalog

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 448**

A large retail company wants to use an AWS service to process clickstream data from the company's ecommerce website. The company wants to collect and analyze the streaming data in real time. Which AWS service meets these requirements?

- A. Amazon Kinesis
- B. Amazon Athena
- C. Amazon CloudFront
- D. AWS Data Exchange

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 449**

An Elastic Load Balancer allows the distribution of web traffic across multiple:

- A. AWS Regions.
- B. Availability Zones.
- C. Dedicated Hosts
- D. Amazon S3 buckets.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 450**

A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances. Which pillar of the AWS Well-Architected Framework does this action cover?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 451**

Which AWS service or feature is highly available by default?

- A. Amazon EC2
- B. Amazon Aurora
- C. NAT instances
- D. Amazon RDS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 452**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 453**

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

- A. The deletion of IAM users
- B. The change to a different AWS Support plan
- C. The creation of an organization in AWS Organizations
- D. The deletion of Amazon EC2 instances

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 454**

A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon Workspaces to host its internal web portal and virtual desktops for employees. What should the company do to minimize latency and ensure the best possible performance for employees?

- A. Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2.
- B. Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and eu-west-2.
- C. Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only.
- D. Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 455**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 456**

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS Batch
- D. AWS Config

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 457**

A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application. Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

- A. AWS CodeDeploy
- B. AWS Resource Access Manager
- C. AWS Elastic Beanstalk
- D. AWS CloudFormation

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 458**

Which of the following services can be used to block network traffic to an instance? (Select TWO.)

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 459**

Which phrase describes agility as a benefit of building in the AWS Cloud?

- A. The ability to pay only when computing resources are consumed, based on the volume of resources that are consumed
- B. The ability to eliminate guessing about infrastructure capacity needs
- C. The ability to support innovation through a reduction in the time that is required to make IT resources available to developers
- D. The ability to deploy an application in multiple AWS Regions around the world in minutes

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 460**

Which task is an AWS responsibility when a workload is running in Amazon RDS?

- A. Creating the database table
- B. Updating the database schema
- C. Installing the database engine
- D. Dropping the database records

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 461**

A large organization has a single AWS account.

What are the advantages of reconfiguring the single account into multiple AWS accounts? (Select TWO.)

- A. It allows for administrative isolation between different workloads.
- B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
- C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
- D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.
- E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 462**

Which of the following are economic benefits of using the AWS Cloud? (Select TWO.)

- A. Consumption-based pricing
- B. Perpetual licenses

- C. Economies of scale
- D. AWS Enterprise Support at no additional cost.
- E. Bring-your-own-hardware model

**Correct Answer:** AC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 463**

Which AWS service will automatically identify and protect a user's sensitive data?

- A. Amazon GuardDuty
- B. Amazon Macie
- C. Amazon Cloud Watch
- D. Amazon Inspector

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 464**

A company has only basic knowledge of AWS technologies.

Which AWS service provides the SIMPLEST way for the company to establish a website on AWS?

- A. Amazon Elastic File System (Amazon EFS)
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lightsail

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 465**

A company has an application workload that is stateless by design and can sustain occasional downtime. The application performs massively parallel computations.

Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 466**



Which AWS database allows for analytics that use SQL queries?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 467**

A company plans to move its on-premises servers to Amazon EC2 instances. The company has 50 different business units and wants to separate each billing for each unit. What should a cloud practitioner recommend?

- A. Use separate AWS accounts for each business unit, then filter by unit using the coverage report.
- B. Place each business unit in a different AWS Region, then filter by unit in Cost Explorer.
- C. Tag each business unit's resources, then filter by unit in Cost Explorer.
- D. Use a different VPC for each business unit, then filter by unit using an AWS Cost and Usage Report.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 468**

Which AWS service or tool provides a visualization of historical AWS spending patterns and projections of future AWS costs?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 469**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 470**

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

Which database service would MOST effectively support these requirements?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 471**

A company is running a key-value NoSQL workload on Amazon EC2 instances and needs to have scalability, failover protection, and backup capabilities.

What is the MOST operationally efficient way to meet these requirements?

- A. Add additional EC2 instances to the database cluster.
- B. Run an identical copy of the database in a second Availability Zone.
- C. Migrate the database to Amazon DynamoDB.
- D. Migrate to a relational database.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 472**

A company wants to store a copy of its on-premises data backups to the AWS Cloud. Data durability is not a concern, but the company wants to be able to begin retrieval of the data within milliseconds.

What is the MOST cost-effective storage solution?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 473**

Which of the following are benefits of AWS Trusted Advisor? (Select TWO.)

- A. Access to Amazon Simple Queue Service (Amazon SQS)
- B. Cost optimization recommendations
- C. Hourly refresh of the service limit checks
- D. Security checks

E. AWS Identity and Access Management (IAM) approval management

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 474**

Which of the following is included within the security pillar of the AWS Well-Architected Framework?

- A. Identity federation
- B. Data protection
- C. Incident reporting
- D. Disaster recovery

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 475**

A company is using an Amazon EC2 On-Demand Instance for an application. The company wants to migrate the application to an EC2 Reserved Instance (RI). The application will run on the instance for longer than 3 years. Which EC2 instance purchasing option meets these requirements MOST cost-effectively?

- A. A No Upfront Standard RI for a 1-year term, renewed each year
- B. An All Upfront Convertible RI for a 1-year term
- C. An All Upfront Standard RI for a 3-year term
- D. A No Upfront Convertible RI for a 3-year term

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 476**

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

- A. The ability to turn over the responsibility for all security to AWS.
- B. The ability to use the pay-as-you-go model.
- C. The ability to have full control over the physical infrastructure.
- D. No longer having to guess what capacity will be required.
- E. No longer worrying about users access controls.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 477**

A company needs to use SQL syntax to perform a direct query of objects in an Amazon S3 bucket. Which AWS service can the company use to meet this requirement?

- A. AWS Glue
- B. Amazon Athena
- C. AWS Lambda
- D. Amazon Kinesis

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 478**

A company deployed an Amazon EC2 instance last week. A developer realizes that the EC2 instance is no longer running. The developer reviews a list of provisioned EC2 instances, and the EC2 instance is no longer on the list. What can the developer do to generate a recent history of the EC2 instance?

- A. Run Cost Explorer to identify the start time and end time of the EC2 instance.
- B. Use Amazon Inspector to find out when the EC2 instance was stopped.
- C. Perform a search in AWS CloudTrail to find all EC2 instance-related events.
- D. Use AWS Secrets Manager to display hidden termination logs of the EC2 instance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 479**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 480**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 481**

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.  
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 482**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 483**

A global company has a large number of AWS accounts. The company needs central management of billing and security policies across accounts.  
Which AWS service or feature will meet these requirements?

- A. AWS Config
- B. AWS Organizations
- C. IAM groups
- D. AWS Trusted Advisor

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 484**

Which AWS services can help reduce application latency and improve performance by using edge locations? (Select TWO.)

- A. Amazon Route 53
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon CloudFront

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 485**

Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

- A. AWS Management Console
- B. AWS Cloud9
- C. AWS CodePipeline
- D. AWS software development kits (SDKs)

**Correct Answer: D**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 486**

Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain insight into operations, and continuously improve supporting processes and procedures?

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

**Correct Answer: C**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 487**

When designing AWS workloads to be operational even when there are component failures, what is an AWS best practice?

- A. Perform quarterly disaster recovery tests.
- B. Place the main component on the us-east-1 Region.
- C. Design for automatic failover to healthy resources.
- D. Design workloads to fit on a single Amazon EC2 instance.

**Correct Answer: C**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 488**

An ecommerce company plans to move its data center workload to the AWS Cloud to support highly dynamic usage patterns. Which benefits make the AWS Cloud cost-effective for the migration of this type of workload? (Select TWO.)

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

**Correct Answer: CD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 489**

A company wants to increase its ability to recover its infrastructure in the case of a natural disaster. Which pillar of the AWS Well-Architected Framework does this ability represent?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 490**

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine. Which AWS database service should the company choose?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Neptune
- D. Amazon DocumentDB (with MongoDB compatibility)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 491**

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

- A. Updating the physical hardware
- B. Updating the operating system
- C. Updating the database engine
- D. Updating the user data

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 492**

A company needs to establish a private virtual interface (VIF) from its on-premises network directly to its VPC. Which AWS connectivity option should the company use?

- A. VPC peering
- B. AWS PrivateLink
- C. AWS Global Accelerator

D. AWS Direct Connect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 493**

A company needs to generate reports that will describe its usage of Amazon EC2 Reserved Instances across AWS accounts for the past month. Which AWS service or tool can the company use to meet this requirement?

- A. AWS Organizations
- B. Amazon S3
- C. Cost Explorer
- D. Amazon EC2 dashboard

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 494**

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 495**

A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.

Which pillar of the AWS Well-Architected Framework aligns with these requirements?

- A. Operational excellence
- B. Security
- C. Reliability
- D. Cost optimization

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 496**

Which AWS service can a company use to access compliance documentation and AWS agreements?



- A. AWS Security Hub
- B. AWS Identity and Access Management (IAM)
- C. AWS Artifact
- D. AWS Certificate Manager (ACM)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 497**

Which of the following is a fully managed graph database service on AWS?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 498**

A company moves a workload to AWS to run on Amazon EC2 instances. The company needs to run the workload in the most cost-effective way. What can the company do to meet this requirement?

- A. Use AWS Key Management Service (AWS KMS).
- B. Use multiple AWS accounts and consolidated billing.
- C. Use AWS CloudFormation to deploy the infrastructure.
- D. Rightsize all the EC2 instances that are used in the deployment.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 499**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 500**

Which AWS services or features enable a user to establish a network connection from on premises to the AWS Cloud? (Select TWO.)

- A. AWS Direct Connect
- B. AWS Snowball
- C. Amazon S3
- D. VPN connection
- E. Amazon Connect

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 501**

Which AWS services are managed database services? (Select TWO.)

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

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 502**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 503**

Which AWS service enables the decoupling and scaling of applications?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 504**

How does AWS Cloud computing help businesses reduce costs? (Select TWO.)

- A. AWS charges the same prices for services in every AWS Region.
- B. AWS enables capacity to be adjusted on demand.
- C. AWS offers discounts for Amazon EC2 instances that remain idle for more than 1 week.
- D. AWS does not charge for data sent from the AWS Cloud to the internet.
- E. AWS eliminates many of the costs of building and maintaining on-premises data centers.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 505**

A company has a global website with static content.

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 506**

A company has two AWS accounts in an organization in AWS Organizations for consolidated billing.

All of the company's AWS resources are hosted in one AWS Region.

Account A has purchased five Amazon EC2 Standard Reserved Instances (RIs) and has four EC2 instances running. Account B has not purchased any RIs and also has four EC2 instances running.

Which statement is true regarding pricing for these eight instances?

- A. The eight instances will be charged as regular instances.
- B. Four Instances will be charged as RIs, and four will be charged as regular instances.
- C. Five instances will be charged as RIs, and three will be charged as regular Instances.
- D. The eight instances will be charged as RIs.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 507**

An ecommerce company has Amazon EC2 instances running as web servers. There is a predictable pattern of peak traffic load that occurs two times each day, always at the same time. The EC2 instances are idle for the remainder of the day.

What is the MOST cost-effective way to manage these resources while maintaining fault tolerance?

- A. Use an Auto Scaling group to scale resources in and out based on demand.

- B. Purchase Reserved Instances to ensure peak capacity at all times.
- C. Write a cron job to stop the EC2 instances when the traffic demand is low.
- D. Write a script to vertically scale the EC2 instances during peak traffic demand.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 508**

A company needs to log information that shows all the AWS resources that the company has launched and terminated. Which AWS service can the company use to meet this requirement?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 509**

What is a feature of Amazon Route 53?

- A. Routing users to infrastructure both Inside and outside AWS
- B. Providing a private connection to infrastructure inside AWS
- C. Providing a private connection to Infrastructure outside AWS
- D. Distributing content across edge locations

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 510**

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 511**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 512**

Which AWS Trusted Advisor check includes the verification of AWS CloudTrail logging?

- A. Performance
- B. Fault tolerance
- C. Security
- D. Service limits

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 513**

Which AWS Cloud benefit occurs when a company does not have to maintain overprovisioned resources that support peak workloads during periods of low activity?

- A. Pay-as-you-go pricing
- B. Agility
- C. Economy of scale
- D. Elasticity

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 514**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 515**

What is a benefit of using AWS Auto Scaling?

- A. Pay-as-you-go pricing is only available for the use of AWS Auto Scaling.
- B. AWS Auto Scaling is billed based on the duration of a given event.
- C. Users only pay for the AWS resources that are deployed with AWS Auto Scaling.
- D. Bulk discount pricing is automatically applied to AWS Auto Scaling usage.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 516**

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

- A. AWS Service Health Dashboard
- B. Amazon CloudWatch Logs
- C. AWS Trusted Advisor
- D. AWS Service Catalog

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 517**

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 518**

A company needs to migrate an existing on-premises database to the AWS Cloud. The company must be able to install custom software on the database instance. Which AWS service can the company use to meet these requirements?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 519**

Which AWS service continuously audits AWS resources and enables them to assess overall compliance?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 520**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 521**

According to the AWS shared responsibility model, the customer is responsible for maintaining:

- A. physical access to the AWS network.
- B. the patching of the host operating system.
- C. data encryption in Amazon S3.
- D. the operating system for Amazon DynamoDB.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 522**

Which AWS service should a cloud practitioner use to receive real-time guidance for provisioning resources, based on AWS best practices related to security, cost optimization, and service limits?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Security Hub
- D. AWS Systems Manager

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 523**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 524**

Which pillar of the AWS Well-Architected Framework aligns with the ability to make frequent, small, and reversible changes to AWS Cloud architecture?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 525**

A company needs access to cloud support engineers 24 hours a day, 7 days a week. What is the LEAST expensive AWS Support plan that meets this requirement?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 526**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



Explanation:

**QUESTION 527**

A user is moving a workload from a local data center to an architecture that is distributed between the local data center and the AWS Cloud. Which type of migration is this?

- A. On-premises to cloud native
- B. Hybrid to cloud native
- C. On-premises to hybrid
- D. Cloud native to hybrid

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 528**

How can a user protect an Amazon EC2 instance from a suspicious IP address?

- A. Block the IP on the inbound rule of a network ACL.
- B. Block the IP on the outbound rule of a security group.
- C. Block the IP on the inbound rule of a security group and network ACL.
- D. Block the IP on the outbound rule of a security group and network ACL.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 529**

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

- A. They are stateless.
- B. They are stateful.
- C. They evaluate all rules before allowing traffic.
- D. They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic.
- E. They operate at the instance level.

**Correct Answer: BD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 530**

A company needs to optimize the cost of its AWS architecture by identifying unused resources and idle resources. Which AWS service or feature should the company use to meet this requirement?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 531**

Which benefit of cloud computing gives a company the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations?

- A. Economy of scale
- B. Global reach
- C. Agility
- D. High availability

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 532**

Which of the following are among the five pillars of the AWS Well-Architected Framework? (Select TWO.)

- A. High availability
- B. Performance efficiency
- C. Cost optimization
- D. Going global In minutes
- E. Continuous development

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 533**

A company wants to improve the availability and performance of its application with users in different countries. Which AWS service or feature will help improve availability by routing traffic to the closest healthy endpoints?

- A. AWS Direct Connect
- B. AWS Global Accelerator
- C. AWS Well-Architected Tool
- D. AWS CLI

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 534**

A company wants to provision an Amazon EC2 instance at the lowest possible cost for a long-term project. The EC2 instance cannot be interrupted. Which EC2 pricing model meets these requirements?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 535**

A company manages an on-premises MySQL database on a Windows server. The company wants to migrate the database to AWS and needs a solution that will reduce the administrative overhead of the database. Which AWS service will meet this requirement?

- A. Amazon Redshift
- B. Amazon ElastiCache
- C. Amazon RDS
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 536**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 537**

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture.
- B. Assume that all components within an application can fail.
- C. Design AWS Auto Scaling Into every application.
- D. Design all components using open-source code.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 538**

A company wants to store its noncritical, infrequently accessed data in Amazon S3. The data must be retrievable within seconds. Which S3 storage class meets these requirements MOST cost-effectively?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 539**

A company's IT administrator needs to configure the AWS CLI for programmatic access to AWS Cloud services for the company's employees. Which credential components must the IT administrator use to meet this requirement? (Select TWO.)

- A. A public key
- B. A secret access key
- C. An IAM role
- D. An access key ID
- E. A private key

**Correct Answer:** DE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 540**

Which tasks require the use of AWS account root user credentials? (Select TWO.)

- A. Configure multi-factor authentication (MFA) delete for an Amazon S3 bucket.
- B. Create an IAM administrator access policy.
- C. Open a support ticket with AWS to request an increase to service quotas.
- D. Change an AWS Support plan.
- E. Change payment currency for an AWS account.

**Correct Answer:** BD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 541**

An auditor is preparing for an annual security audit. The auditor requests certification details for a company's AWS hosted resources across multiple Availability Zones in the us-east-1 Region. How should the company respond to the auditor's request?

- A. Open an AWS Support ticket to request that the AWS technical account manager (TAM) respond and help the auditor
- B. Open an AWS Support ticket to request that the auditor receive approval to conduct an onsite assessment of the AWS data centers in which the company operates.
- C. Explain to the auditor that AWS does not need to be audited because the company's application is hosted in multiple Availability Zones.
- D. Use AWS Artifact to download the applicable report for AWS security controls. Provide the report to the auditor.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 542**

Which AWS service allows a user to provision a managed MySQL DB instance?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon RDS
- D. AWS Database Migration Service (AWS DMS)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 543**

A company has the AWS Basic Support plan. The company needs assistance in its efforts to deploy, test, and improve its AWS environment Which form of assistance can the company use at no cost?

- A. AWS Support API for programmatic case management
- B. AWS technical account manager (TAM) consultation
- C. AWS online documentation, whitepapers. blogs. and support forums
- D. In-person AWS training classes with an accredited instructor

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 544**

Which AWS service keeps track of SSUTLS certificates, creates new certificates, and processes renewals?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 545**

A company plans to migrate an on-premises Microsoft SQL Server database to the AWS Cloud The database supports a legacy application. The company wants to maintain administrative control of the database configuration and host operating system Which AWS service or feature meets these requirements?

- A. Amazon RDS for SOL Server
  - B . SQL Server on Amazon EC2
- B. Amazon DynamoDB
- C. Amazon DocumentDB

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 546**

What is a benefit of using an Elastic Load Balancer (ELB) with applications running in the AWS Cloud?

- A. An ELB will automatically scale resources to meet capacity needs.
- B. An ELB can balance traffic across multiple compute resources.
- C. An ELB can span multiple AWS Regions.
- D. An ELB can balance traffic between multiple internet gateways.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 547**

An IT manager needs to monitor company AWS resources and collect utilization metrics from Amazon EC2 instances and Amazon DynamoDB. Which AWS service can the IT manager use to meet these requirements?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 548**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 549**

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

- A. Establish the global infrastructure.
- B. Perform client-side data encryption.
- C. Configure IAM credentials.
- D. Secure edge locations.
- E. Patch Amazon RDS DB instances.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 550**

A company has an Amazon EC2 instance that must access AWS Secrets Manager to retrieve credentials. Which identity or service is required by the EC2 Instance to perform the task?

- A. Multi-factor authentication (MFA)
- B. IAM role
- C. IAM group
- D. Security groups

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 551**

A company is planning to migrate an important production workload to the AWS Cloud. The company needs an AWS Support plan that offers a response time of less than 15 minutes to businesscritical issues Which AWS Support plan aligns with this requirement?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 552**

Which AWS services or tools can help optimize the costs of AWS resources? (Select TWO.)

- A. AWS Trusted Advisor
- B. AWS CloudTrail
- C. AWS Personal Health Dashboard
- D. AWS Pricing Calculator
- E. Cost Explorer

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 553**

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

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

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 554**

A developer has a stateful web server on-premises that is being migrated to AWS. The developer must have greater elasticity in the new design How should the developer re-factor the application to make it more elastic? (Select TWO.)

- A. Use pessimistic concurrency on Amazon DynamoDB
- B. Use Amazon CloudFront with an Auto Scaling group.
- C. Use Amazon CloudFront with an AWS Web Application Firewall
- D. Store session state data in an Amazon DynamoDB table.
- E. Use an ELB with an Auto Scaling group

**Correct Answer: DE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 555**

A company has a two-tier application running on an Amazon EC2 server that handles all of its AWS based e-commerce activity. During peak times, the backend servers that process orders are overloaded with requests This results in some orders falling to process A developer needs to create a solution that will re factor the application Which steps will allow for more flexibility during peak times, while still remaining cost-effective? (Select TWO.)

- A. Increase the backend T2 EC2 instance sizes to xi to handle the largest possible load throughout the year
- B. Implement an Amazon SQS queue to decouple the front-end and backend servers.
- C. Use an Amazon SNS queue to couple the front-end and backend servers
- D. Migrate the backend servers to on-premises and pull from an Amazon SNS queue
- E. Modify the backend servers to pull from an Amazon SQS queue.

**Correct Answer: BE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 556**

A developer has discovered that an application responsible for processing messages in an Amazon SQS queue is routinely falling behind The application is capable of processing multiple messages in one invocation, but is only receiving one message at a time What should the developer do to increase the number of messages the application receives?

- A. Call the ChangeMessageVisibility API for the queue and set MaxNumberOfMessages to a value greater than the default of
- B. Call the AddPermission API to set MaxNumberOfMessages for the ReceiveMessage action to a value greater than the default of 1
- C. Call the ReceiveMessage API to set MaxNumberOfMessages to a value greater than the default of 1.
- D. Call the SetQueue Attributes API for the queue and set MaxNumberOfMessages to a value greater than the default of 1

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 557**

A company has a website that displays a daily newsletter. When a user visits the website, an AWS Lambda function processes the browser's request and queries the company's on-premises database to obtain the current newsletter. The newsletters are stored in English. The Lambda function uses the Amazon Translate TranslateText API operation to translate the newsletters and the translation is displayed to the user Due to an increase in popularity, the website's response



time has slowed. The database is overloaded The company cannot change the database and needs a solution that improves the response time of the Lambda function Which solution meets these requirements?

- A. Change to asynchronous Lambda function invocation
- B. Cache the translated newsletters in the Lambda /tmp directory
- C. Enable TranslateText API caching.
- D. Change the Lambda function to use parallel processing

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 558**

A Lambda function processes data before sending it to a downstream service. Each piece of data is approximately 1MB in size. After a security audit, the function is now required to encrypt the data before sending it downstream Which API call is required to perform the encryption?

- A. Pass the data to the KMS ReEncrypt API for encryption
- B. Use the KMS GenerateDataKeyAPI to get an encryption key
- C. Use the KMS GeneraceDaraHeywithoutPlainTexr API to get an encryption key
- D. Pass the data to KMS as part of the Encrypt API for encryption.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 559**

A company is migrating its on-premises database to Amazon RDS for MySQL. The company has readheavy workloads, and wants to make sure it re-factors its code to achieve optimum read performance for its queries. How can this objective be met?

- A. Add database retries to effectively use RDS with vertical scaling
- B. Use RDS with multi-AZ deployment
- C. Add a connection string to use an RDS read replica for read queries.
- D. Add a connection string to use a read replica on an EC2 instance

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 560**

A company stores documents in Amazon S3 with default settings A new regulation requires the company to encrypt the documents at rest, rotate the encryption keys annually, and keep a record of when the encryption keys were rotated. The company does not want to manage the encryption keys outside of AWS Which solution will meet these requirements?

- A. Use server-side encryption with Amazon S3 managed encryption keys (SSE-S3).
- B. Use server-side encryption with AWS KMS managed encryption keys (SSE-KMS)
- C. Use server-side encryption with customer-provided encryption keys (SSE-C)
- D. Use client-side encryption before sending the data to Amazon S3

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 561**

A company has a web application that runs on Amazon EC2 instances with a custom Amazon Machine Image (AMI) The company uses AWS CloudFormation to provision the application. The application runs in the us-east-1 Region, and the company needs to deploy the application to the us-west-1 Region An attempt to create the AWS CloudFormation stack in us-west-1 fails An error message states that the AMI ID does not exist A developer must resolve this error with a solution that uses the least amount of operational overhead.

Which solution meets these requirements?

- A. Change the AWS CloudFormation templates for us-east-1 and us-west-1 to use an AWS AMI Relaunch the stack for both Regions
- B. Copy the custom AMI from us-east-1 to us-west-1 Update the AWS CloudFormation template for us-west-1 to refer to AMI ID for the copied AMI. Relaunch the stack.
- C. Build the custom AMI in us-west-1 Create a new AWS CloudFormation template to launch the stack in us-west-1 with the new AMI ID
- D. Manually deploy the application outside AWS CloudFormation in us-west-1

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 562**

A developer is creating an AWS Lambda function that generates a new file each time it runs Each new file must be checked into an AWS CodeCommit repository hosted in the same AWS account How should the developer accomplish this?

- A. When the Lambda function starts, use the Git CLI to clone the repository Check the new file into the cloned repository and push the change.
- B. After the new file is created in Lambda, use cURL to invoke the CodeCommit API Send the file to the repository.
- C. Use an AWS SDK to instantiate a CodeCommit client Invoke the put\_file method to add the file to the repository
- D. Upload the new file to an Amazon S3 bucket Create an AWS Step Function to accept S3 events In the Step Function, add the new file to the repository

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 563**

A gaming application stores scores for players in an Amazon DynamoDB table that has four attributes user\_id, user\_name, user\_score, and userrank The users are allowed to update their names only. A user is authenticated by web identity federation.

Which set of conditions should be added in the policy attached to the role for the dynamodb PutItem API call?

- A. 

```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
      "${aws:amzn:com:user_id}"
    ],
    "dynamodb:Attributes": [
      "user_name"
    ]
  }
}
```
- B. 

```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
      "${aws:amzn:com:user_name}"
    ],
    "dynamodb:Attributes": [
      "user_id"
    ]
  }
}
```

- C. 

```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
      "S[www.amazon.com:~:user_id]"
    ],
    "dynamodb:Attributes": [
      "user_name", "user_id"
    ]
  }
}
```
- D. 

```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
      "S[www.amazon.com:user_name]"
    ],
    "dynamodb:Attributes": [
      "user_name", "user_id"
    ]
  }
}
```

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 564

A company is using an AWS Lambda function to process records from an Amazon Kinesis data stream. The company recently observed slow processing of the records. A developer notices that the iterator age metric for the function is increasing and that the Lambda run duration is constantly above normal.

Which actions should the developer take to increase the processing speed? (Select TWO.)

- A. Increase the number of shards of the Kinesis data stream.
- B. Decrease the timeout of the Lambda function.
- C. Increase the memory that is allocated to the Lambda function.
- D. Decrease the number of shards of the Kinesis data stream.
- E. Increase the timeout of the Lambda function.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 565

A developer has created a web API that uses Amazon Elastic Container Service (Amazon ECS) and an Application Load Balancer (ALB). An Amazon CloudFront distribution uses the API as an origin for web clients. The application has received millions of requests with a JSON Web Token (JWT) that is not valid in the authorization header. The developer has scaled out the application to handle the unauthenticated requests. What should the developer do to reduce the number of unauthenticated requests to the API?

- A. Add a request routing rule to the ALB to return a 401 status code if the authorization header is missing.
- B. Add a container to the ECS task definition to validate JWTs. Set the new container as a dependency of the application container.
- C. Create a CloudFront function for the distribution. Use the crypto module in the function to validate the JWT.
- D. Add a custom authorizer for AWS Lambda to the CloudFront distribution to validate the JWT.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 566

A company is using continuous integration/continuous delivery (CI/CD) systems. A developer must automate the deployment of an application software package to Amazon EC2 instances and virtual servers that run on premises. Which AWS service should the developer use to meet these requirements?

- A. AWS Cloud9
- B. AWS CodeBuild
- C. AWS Elastic Beanstalk
- D. AWS CodeDeploy

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 567**

An application needs to encrypt data that is written to Amazon S3 where the keys are managed in an on-premises data center and the encryption is handled by S3. Which type of encryption should be used?

- A. Use server-side encryption with Amazon S3-managed keys
- B. Use server-side encryption with AWS KMS-managed keys
- C. Use client-side encryption with AWS KMS-managed keys
- D. Use server-side encryption with customer-provided keys.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 568**

A developer is writing a new AWS Serverless Application Model (AWS SAM) template with a new AWS Lambda function. The Lambda function runs complex code. The developer wants to test the Lambda function with more CPU power. What should the developer do to meet this requirement?

- A. Increase the runtime engine version
- B. Increase the timeout
- C. Increase the number of Lambda layers
- D. Increase the memory.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 569**

A developer needs to modify an application architecture to meet new functional requirements. Application data is stored in Amazon DynamoDB and processed for analysis in a nightly batch. The system analysts do not want to wait until the next day to view the processed data and have asked to have it available in near-real time. Which application architecture pattern would enable the data to be processed as it is received?

- A. Event driven
- B. Client-server driven
- C. Fan-out driven
- D. Schedule driven

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 570

A developer has written code for an application and wants to share it with other developers on the team to receive feedback. The shared application code needs to be stored long-term with multiple versions and batch change tracking Which AWS service should the developer use?

- A. AWS CodeBuild
- B. Amazon S3
- C. AWS CodeCommit
- D. AWS Cloud9

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 571

A developer uses a single AWS CloudFormation template to configure the test environment and the production environment for an application The developer handles environment-specific requirements in the CloudFormation template. The developer decides to update the Amazon EC2 Auto Scaling launch template with new Amazon Machine Images (AMIs) for each environment The CloudFormation update for the new AMIs is successful in the test environment but the update fails in the production environment.

What are the possible causes of the CloudFormation update failure in the production environment?

(Select TWO )

- A. The new AMIs do not fulfill the specified conditions in the CloudFormation template
- B. The service quota for the number of EC2 vCPUs in the AWS Region has been exceeded. .
- C. The security group that is specified in the CloudFormation template does not exist
- D. CloudFormation does not recognize the template change as an update
- E. CloudFormation does not have sufficient IAM permissions to make the changes

**Correct Answer: AB**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 572

Given the source code for an AWS Lambda function in the local file store, py containing a handler function called get\_store and the following AWS CloudFormation template:

```
Transform: AWS::Serverless-2016-10-31
Resources:
  StoreFunc:
    Type: AWS::Serverless::Function
    Properties:
      Handler: store.get_store
      Runtime: python3.6
```

What should be done to prepare the template so that it can be deployed using the AWS CLI command `aws cloudformation deploy`?

- A. Use `aws cloudformation compile` to base64 encode and embed the source file into a modified CloudFormation template.
- B. Use `aws cloudformation package` to upload the source code to an Amazon S3 bucket and produce a modified CloudFormation template
- C. Use `aws lambda zip` to package the source file together with the CloudFormation template and deploy the resulting zip archive
- D. Use `aws serverless create-package` to embed the source file directly into the existing CloudFormation template

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 573**

A developer has a legacy application that is hosted on-premises. Other applications hosted on AWS depend on the on-premises application for proper functioning. In case of any application errors, the developer wants to be able to use Amazon CloudWatch to monitor and troubleshoot all applications from one place.

How can the developer accomplish this?

- A. Install an AWS SDK on the on-premises server to automatically send logs to CloudWatch.
- B. Download the CloudWatch agent to the on-premises server. Configure the agent to use IAM user credentials with permissions for CloudWatch.
- C. Upload log files from the on-premises server to Amazon S3 and have CloudWatch read the files.
- D. Upload log files from the on-premises server to an Amazon EC2 instance and have the instance forward the logs to CloudWatch.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 574**

A developer is building a serverless application that is based on AWS Lambda. The developer initializes the AWS software development kit (SDK) outside of the Lambda handler function.

What is the PRIMARY benefit of this action?

- A. Improves legibility and stylistic convention
- B. Takes advantage of runtime environment reuse
- C. Provides better error handling
- D. Creates a new SDK instance for each invocation

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 575**

A company has an application where reading objects from Amazon S3 is based on the type of user.

The user types are registered user and guest user. The company has 25,000 users and is growing.

Information is pulled from an S3 bucket depending on the user type.

Which approaches are recommended to provide access to both user types? (Select TWO.)

- A. Provide a different access key and secret access key in the application code for registered users and guest users to provide read access to the objects.
- B. Use S3 bucket policies to restrict read access to specific IAM users.
- C. Use Amazon Cognito to provide access using authenticated and unauthenticated roles.
- D. Create a new IAM user for each user and grant read access.
- E. Use the AWS IAM service and let the application assume the different roles using the AWS Security Token Service (AWS STS) AssumeRole action depending on the type of user and provide read access to Amazon S3 using the assumed role.

**Correct Answer: CE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 576**

A developer must extend an existing application that is based on the AWS Serverless Application Model (AWS SAM). The developer has used the AWS SAM CLI to create the project. The project contains different AWS Lambda functions.

Which combination of commands must the developer use to redeploy the AWS SAM application?

(Select TWO.)

- A. sam mit
- B. sam validate
- C. sam build
- D. sam deploy
- E. sam publish

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 577**

A company created an application to consume and process data. The application uses Amazon Simple Queue Service (Amazon SQS) and AWS Lambda functions.

The application is currently working as expected, but it occasionally receives several messages that it cannot process properly. The company needs to clear these messages to prevent the queue from becoming blocked. A developer must implement a solution that makes queue processing always operational. The solution must give the company the ability to defer the messages with errors and save these messages for further analysis. What is the MOST operationally efficient solution that meets these requirements?

- A. Configure Amazon CloudWatch Logs to save the error messages to a separate log stream
- B. Create a new SQS queue. Set the new queue as a dead-letter queue for the application queue. Configure the Maximum Receives setting.
- C. Change the SQS queue to a FIFO queue. Configure the message retention period to 0 seconds
- D. Configure an Amazon CloudWatch alarm for Lambda function errors. Publish messages to an Amazon Simple Notification Service (Amazon SNS) topic to notify administrator users

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 578**

A company is using Amazon RDS as the backend database for its application. After a recent marketing campaign, a surge of read requests to the database increased the latency of data retrieval from the database.

The company has decided to implement a caching layer in front of the database. The cached content must be encrypted and must be highly available. Which solution will meet these requirements?

- A. Amazon CloudFront
- B. Amazon ElastiCache for Memcached
- C. Amazon ElastiCache for Redis in cluster mode
- D. Amazon DynamoDB Accelerator (DAX)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 579**

A developer needs to create an application that supports Security Assertion Markup Language

(SAML) and authentication with social media providers. It must also allow access to AWS services such as Amazon DynamoDB.

Which AWS service or feature will meet these requirements with the LEAST amount of additional coding?

- A. AWS AppSync
- B. Amazon Cognito identity pools
- C. Amazon Cognito user pools
- D. Amazon Lambda@Edge



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 580**

An application running on Amazon EC2 opens connections to an Amazon RDS SQL Server database. The developer does not want to store the user name and password for the database in the code. The developer would also like to automatically rotate the credentials.

What is the MOST secure way to store and access the database credentials?

- A. Create an IAM role that has permissions to access the database. Attach the role to the EC2 instance.
- B. Use AWS Secrets Manager to store the credentials. Retrieve the credentials from Secrets Manager as needed.
- C. Store the credentials in an encrypted text file in an Amazon S3 bucket. Configure the EC2 instance's user data to download the credentials from Amazon S3 as the instance boots.
- D. Store the user name and password credentials directly in the source code. No further action is needed because the source code is stored in a private repository.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 581**

A developer is writing an application to analyze the traffic to a fleet of Amazon EC2 instances. The EC2 instances run behind a public Application Load Balancer (ALB). An HTTP server runs on each of the EC2 instances, logging all requests to a log file.

The developer wants to capture the client public IP addresses. The developer analyzes the log files and notices only the IP address of the ALB. What must the developer do to capture the client public IP addresses in the log file?

- A. Add a Host header to the HTTP server log configuration file.
- B. Install the Amazon CloudWatch Logs agent on each EC2 instance. Configure the agent to write to the log file.
- C. Install the AWS X-Ray daemon on each EC2 instance. Configure the daemon to write to the log file.
- D. Add an X-Forwarded-For header to the HTTP server log configuration file.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 582**

A developer is writing an application in Python. The application runs on AWS Lambda. The application generates a file and needs to upload this file to Amazon S3.

The developer must implement this upload functionality with the least possible change to the application code. Which solution meets these requirements?

- A. Make an HTTP request directly to the S3 API to upload the file.
- B. Include the AWS SDK for Python in the Lambda function. Use the SDK to upload the file.
- C. Use the AWS SDK for Python that is installed in the Lambda environment to upload the file.
- D. Use the AWS CLI that is installed in the Lambda environment to upload the file.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 583**

A company's e-commerce website is experiencing sudden and significant traffic changes that are causing performance problems in the company database. Users report that attempts to access the website are taking too long.

A developer needs to implement a caching layer by using Amazon ElastiCache. The website must be responsive, no matter which product a user views. Updates to product information and prices must be strongly consistent.



Which cache-writing strategy will meet these requirements?

- A. Write to the cache directly Synchronize the backend later
- B. Write to the backend first Wait for the cache to expire
- C. Write to the cache and the backend at the same time
- D. Write to the backend first. Then update the TTL of the item in the cache=

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 584

A developer needs to migrate an application from on premises to AWS. The application is written m PHP, uses a MySQL database, and has a small number of users. The application receives a significant load for 1 week each month The developer must minimize the cost of migrating and running the application Which solution will meet these requirements?

- A. Migrate the database to an Amazon Aurora single-instance cluster Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer Set the Auto Scaling group's minimum capacity to 1 Set up an Amazon ElastiCache for Memcached instance for sessions.
- B. Redevelop the application to use serverless capabilities that include AWS Lambda. Amazon API Gateway, and Amazon Aurora Serverless Run the application code by using the standard Lambda PHP runtime environment Migrate the database to Aurora Serverless
- C. Migrate the database to an Amazon Aurora single-instance cluster Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer (ALB) Set the Auto Scaling group's minimum capacity to 1 Enable session affinity (sticky sessions) on the ALB
- D. Migrate the application to an Amazon Aurora two-instance cluster. Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer Set the Auto Scaling group's minimum capacity to 2 Set up an Amazon ElastiCache for Memcached twoinstance cluster.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 585

An application runs on multiple EC2 instances behind an ELB.

Where is the session data best written so that it can be served reliably across multiple requests?

- A. Write data to Amazon ElastiCache.
- B. Write data to Amazon Elastic Block Store
- C. Write data to Amazon EC2 Instance Store
- D. Write data to the root filesystem

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 586

A company is developing a report implemented using AWS Step Functions. Amazon CloudWatch shows errors in the Step Functions task state machine. To troubleshoot each task the state input needs to be included along with the error message in the state output.

Which coding practice can preserve both the original input and the error for the state?

- A. Use ResultPath in a Catch statement to include the error with the original input
- B. Use InputPath in a Catch statement and set the value to null.
- C. Use ErrorEquals in a Retry statement to include the error with the original input
- D. Use OutputPath in a Retry statement and set the value to \$.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 587**

A company is building an application for stock trading. The application needs sub-millisecond latency for processing trade requests. The company uses Amazon DynamoDB to store all the trading data that is used to process each trading request. A development team performs load testing on the application and finds that the data retrieval time is higher than expected. The development team needs a solution that reduces the data retrieval time with the least possible effort. Which solution meets these requirements?

- A. Add local secondary indexes (LSIs) for the trading data
- B. Store the trading data in Amazon S3 and use S3 Transfer Acceleration
- C. Add retries with exponential backoff for DynamoDB queries
- D. Use DynamoDB Accelerator (DAX) to cache the trading data

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 588**

A static website is hosted in an Amazon S3 bucket. Several HTML pages on the site use JavaScript to download images from another Amazon S3 bucket. These images are not displayed when users browse the site. What is the possible cause for the issue?

- A. The referenced Amazon S3 bucket is in another region
- B. The images must be stored in the same Amazon S3 bucket
- C. Port 80 must be opened on the security group in which the Amazon S3 bucket is located
- D. Cross Origin Resource Sharing must be enabled on the Amazon S3 bucket

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 589**

A developer creates an AWS Lambda function to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic. All message content must be encrypted in transit and at rest between Lambda and Amazon SNS. A part of the Lambda execution role is as follows:

```
"Effect": "Allow",  
"Action": "SNS:Publish",  
"Resource": "arn:aws:sns:us-east-1:1234567890:secure-topic"
```

Which combination of steps should the developer take to meet these requirements? (Select TWO.)

- A. Enable server-side encryption on the SNS topic
- B. Add a Deny statement to the Lambda execution role. Specify the SNS topic ARN as the resource. Specify "aws:SecureTransport" "true" as the condition.
- C. Create a VPC endpoint for Amazon SNS
- D. Add a StringEquals condition of "sns:Protocol" "https" to the Lambda execution role
- E. Add a Deny statement to the Lambda execution role. Specify the SNS topic ARN as the resource. Specify "aws:SecureTransport" "false" as the condition.

**Correct Answer:** AE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 590**

A developer needs to use the AWS CLI on an on-premises development server temporarily to access AWS services while performing maintenance. The developer needs to authenticate to AWS with their identity for several hours. What is the MOST secure way to call AWS CLI commands with the developer's IAM identity?

- A. Specify the developer's IAM access key ID and secret access key as parameters for each CLI command
- B. Run the aws configure CLI command Provide the developer's IAM access key ID and secret access key
- C. Specify the developer's IAM profile as a parameter for each CLI command
- D. Run the get-session-token CLI command with the developer's IAM user. Use the returned credentials to call the CLI

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 591**

A developer created a Lambda function for a web application backend When testing the Lambda function from the AWS Lambda console, the developer can see that the function is being run, but there is no log data being generated in Amazon CloudWatch Logs, even after several minutes.

What could cause this situation?

- A. The Lambda function does not have any explicit log statements for the log data to send it to CloudWatch Logs
- B. The Lambda function is missing CloudWatch Logs as a source trigger to send log data
- C. The execution role for the Lambda function is missing permissions to write log data to the CloudWatch Logs
- D. The Lambda function is missing a target CloudWatch Log group

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 592**

A developer is making changes to a custom application that uses AWS Elastic Beanstalk.

Which solutions will update the Elastic Beanstalk environment with the new application version after the developer completes the changes? (Select TWO/)

- A. Package the application code into a zip file. Use the AWS Management Console to upload the .zip file and deploy the packaged application.
- B. Package the application code into a tar file Use the AWS Management Console to create a new application version from the tar file. Update the environment by using the AWS CLI.
- C. Package the application code into a tar file Use the AWS Management Console to upload the tar file and deploy the packaged application
- D. Package the application code into a zip file Use the AWS CLI to create a new application version from the zip file and to update the environment
- E. Package the application code into a zip file. Use the AWS Management Console to create a new application version from the .zip file. Rebuild the environment by using the AWS CLI.

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 593**

A developer manages an application that interacts with Amazon RDS. After observing slow performance with read queries, the developer Implements Amazon ElastiCache to update the cache immediately following the primary database update.

What will be the result of this approach to caching?

- A. Caching will increase the load on the database instance because the cache is updated for every database update.
- B. Caching will slow performance of the read queries because the cache is updated when the cache cannot find the requested data
- C. The cache will become large and expensive because the infrequently requested data is also written to the cache
- D. Overhead will be added to the initial response time because the cache is updated only after a cache miss

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 594

A developer is testing a Docker-based application that uses the AWS SDK to interact with Amazon DynamoDB. In the local development environment the application has used 1AM access keys. The application is now ready for deployment onto an ECS cluster How should the application authenticate with AWS services in production?

- A. Configure an ECS task 1AM role for the application to use
- B. Refactor the application to call AWS STS AssumeRole based on an instance role
- C. Configure AWS access key/secret access key environment variables with new credentials
- D. Configure the credentials file with a new access key/secret access key

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 595

A company has an application that analyzes photographs. A developer is preparing the application for deployment to Amazon EC2 instances. The application's image analysis functions require a mix of GPU instances and CPU instances that run on Amazon Linux. The developer needs to add code to the application so that the functions can determine whether they are running on a GPU instance What should the functions do to obtain this information?

- A. Call the DescribeInstances API operation and filter on the current instance ID Examine the ElasticGpuAssociations property
- B. Evaluate the GPU\_AVA1LABEL environment variable
- C. Call the DescribeElasticGpus API operation
- D. Retrieve the instance type from the instance metadata

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 596

A developer is creating a serverless web application and maintains different branches of code. The developer wants to avoid updating the Amazon API Gateway target endpoint each time a new code push is performed What solution would allow the developer to perform a code push efficiently, without the need to update the API Gateway?

- A. Associate different AWS Lambda functions to an API Gateway target endpoint
- B. Create different stages in API Gateway then associate API Gateway with AWSLambda.
- C. Create aliases and versions in AWS Lambda
- D. Tag the AWS Lambda functions with different names

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 597**

An application running on multiple Amazon EC2 instances pulls messages from a standard Amazon SQS queue. A requirement for the application is that all messages must be encrypted at rest. Developers are instructed to use methods that allow for centralized key management and minimize possible support requirements whenever possible. Which of the following solutions supports these requirements?

- A. Encrypt individual messages by using client-side encryption with customer managed keys, then write to the SQS queue
- B. Encrypt individual messages by using SQS Extended Client and the Amazon S3 encryption client
- C. Create an SQS queue and encrypt the queue by using server-side encryption with AWS KMS
- D. Create an SQS queue, and encrypt the queue by using client-record encryption

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 598**

An ecommerce company manages its application's infrastructure by using AWS Elastic Beanstalk. A developer wants to deploy the new version of the application with the least possible application downtime. The developer also must minimize the application's rollback time if there are issues with the deployment. Which approach will meet these requirements?

- A. Use a rolling deployment to deploy the new version
- B. Use a rolling deployment with additional batches to deploy the new version
- C. Use an all-at-once deployment to deploy the new version
- D. Deploy the new version to a new environment. Use a blue/green deployment

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 599**

A developer is adding a feature to a client-side application so that users can upload videos to an Amazon S3 bucket.

What is the MOST secure way to give the application the ability to write files to the S3 bucket?

- A. Update the S3 bucket policy to allow public write access. Allow any user to upload videos by removing the need to handle user authentication within the client-side application
- B. Create a new IAM policy and a corresponding IAM user with permissions to write to the S3 bucket. Store the key and the secret for the user in the application code. Use the key to authenticate the video uploads
- C. Configure the API layer of the application to have a new endpoint that creates signed URLs that allow an object to be put into the S3 bucket. Generate a presigned URL through this API call in the client application. Upload the video by using the signed URL
- D. Generate a new IAM key and a corresponding secret by using the AWS account root user credentials. Store the key and the secret for the user in the application code. Use the key to authenticate the video uploads

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 600**

A development team is building a new application that will run on Amazon EC2 and use Amazon DynamoDB as a storage layer. The developers all have assigned IAM user accounts in the same IAM group. The developers currently can launch EC2 instances, and they need to be able to launch EC2 instances with an instance role allowing access to Amazon DynamoDB. Which AWS IAM changes are needed when creating an instance role to provide this functionality?

- A. Create an IAM permission policy attached to the role that allows access to DynamoDB. Add a trust policy to the role that allows DynamoDB to assume the role. Attach a permissions policy to the development group in AWS IAM that allows developers to use the `IamGetRole` and `IamPassRole` permissions for the role
- B. Create an IAM permissions policy attached to the role that allows access to DynamoDB. Add a trust policy to the role that allows Amazon EC2 to assume the role. Attach a permissions policy to the development group in AWS IAM that allows developers to use the `IamPassRole` permission for the role

- C. Create an IAM permission policy attached to the role that allows access to Amazon EC2. Add a trust policy to the role that allows DynamoDB to assume the role Attach a permissions policy to the development group in AWS IAM that allows developers to use the iam PassRole permission for the role
- D. Create an IAM permissions policy attached to the role that allows access to DynamoDB Add a trust policy to the role that allows Amazon EC2 to assume the role Attach a permissions policy to the development group in AWS IAM that allows developers to use the iam GetRole permission for the role

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 601

A developer has created a Java application that runs on AWS Elastic Beanstalk with the default Elastic Beanstalk instance profile. The developer needs to visualize a map of the application's interactions with AWS services to help identify and debug issues with the application Which combination of steps should the developer take to meet this requirement with the LEAST operational effort? (Select TWO.)

- A. Instrument the code by using the AWS X-Ray software development kit (SDK) for Java
- B. Create an Elastic Beanstalk configuration file to download and install the AWS X-Ray daemon on the underlying Amazon EC2 instances
- C. Enable the AWS X-Ray daemon in the Elastic Beanstalk console
- D. Enable Elastic Beanstalk enhanced health reporting
- E. Configure AWS CloudTrail to visualize the services map

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 602

A developer is deploying an AWS Lambda function that writes to Amazon DynamoDB. Amazon CloudWatch metrics for the Lambda function show that errors have occurred during some invocations of the function However, there are no entries available in the CloudWatch logs for the function. The source code for the function shows that the function writes log data before saving data What should the developer do to address the missing CloudWatch log entries of the Lambda function?

- A. Assign permissions to the Lambda function's execution role to send logs to CloudWatch
- B. Enable CloudWatch Lambda Insights Redeploy the Lambda function
- C. Use AWS X-Ray Enable active tracing
- D. Add CloudWatch as the trusted identity to the Lambda function's execution role

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 603

A developer wants to run a PHP website with an NGINX proxy and package them as Docker containers in one environment. The developer wants a managed environment with automated provisioning and load balancing. The developer cannot change the configuration and must minimize operational overhead How should the developer build the website to meet these requirements?

- A. Create a new application in AWS Elastic Beanstalk that is preconfigured for a multicontainer Docker environment Upload the code, and deploy it to a web server environment.
- B. Deploy the code on Amazon EC2 instances in an Auto Scaling group behind an Application Load Balancer
- C. Construct an AWS CloudFormation template that launches Amazon EC2 instances Install and configure the PHP code by using cfn helper scripts
- D. Upload the code for the PHP website into an Amazon S3 bucket Host the website from the S3 bucket.

**Correct Answer:** A

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Explanation:

**QUESTION 604**

A global company has a mobile app with static data stored in an Amazon S3 bucket in the us-east-1 Region. The company serves the content through an Amazon CloudFront distribution. The company is launching the mobile app in South Africa. The data must reside in the af-south-1 Region. The company does not want to deploy a specific, mobile client for South Africa. What should the company do to meet these requirements?

- A. Use the CloudFront geographic restriction feature to block access to users in South Africa
- B. Create a Lambda@Edge function. Associate the Lambda@Edge function as an origin request trigger with the CloudFront distribution to change the S3 origin Region
- C. Create a Lambda@Edge function. Associate the Lambda@Edge function as a viewer response trigger with the CloudFront distribution to change the S3 origin Region
- D. Include af-south-1 in the alternate domain name (CNAME) of the CloudFront distribution

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 605**

A developer needs to deploy an application running on AWS Fargate using Amazon ECS. The application has environment variables that must be passed to a container for the application to initialize. How should the environment variables be passed to the container?

- A. Define an array that includes the environment variables under the environment parameter within the service definition
- B. Define an array that includes the environment variables under the environment parameter within the task definition
- C. Define an array that includes the environment variables under the entryPoint parameter within the task definition
- D. Define an array that includes the environment variables under the entryPoint parameter within the service definition.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 606**

A developer received the following error message during an AWS CloudFormation deployment:  
Which action should the developer take to resolve this error?

- A. Contact AWS Support to report an issue with the Auto Scaling Groups (ASG) service
- B. Add a DependsOn attribute to the ASGInstanceRole12345678 resource in the CloudFormation template. Then delete the stack
- C. Modify the CloudFormation template to retain the ASGInstanceRole12345678 resource. Then manually delete the resource after deployment
- D. Add a force parameter when calling CloudFormation with the role-name of ASGInstanceRole12345678

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 607**

A company is hosting a workshop for external users and wants to share the reference documents with the external users for 7 days. The company stores the reference documents in an Amazon S3 bucket that the company owns. What is the MOST secure way to share the documents with the external users?

- A. Use S3 presigned URLs to share the documents with the external users. Set an expiration time of 7 days
- B. Move the documents to an Amazon WorkDocs folder. Share the links of the WorkDocs folder with the external users.
- C. Create temporary IAM users that have read-only access to the S3 bucket. Share the access keys with the external users. Expire the credentials after 7 days
- D. Create a role that has read-only access to the S3 bucket. Share the Amazon Resource Name (ARN) of this role with the external users

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 608**

A software company is using AWS CodeBuild to build an application. The buildspec runs the application build and creates a Docker image that contains the application. The company needs to push the Docker image to Amazon Elastic Container Registry (Amazon ECR) only upon the completion of each successful build. Which solution meets these requirements?

- A. Change the buildspec by adding a post\_build phase that uses the commands block to push the Docker image.
- B. Change the buildspec by adding a post\_build phase that uses the finally block to push the Docker image.
- C. Specify the Docker image in the buildspec's artifacts sequence with an action to push the image.
- D. Use a batch build to define a build matrix. Use the batch build to push the Docker image.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 609**

A company has a website that is developed in PHP and is launched using AWS Elastic Beanstalk.

There is a new version of the website that needs to be deployed in the Elastic Beanstalk environment. The company cannot tolerate having the website offline if an update fails. Deployments must have minimal impact and rollback as soon as possible. What deployment method should be used?

- A. All at once
- B. Rolling
- C. Snapshots
- D. Immutable

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 610**

A company has a serverless application that uses AWS Lambda functions and AWS Systems Manager parameters to store configuration data. The company moves the Lambda functions inside the VPC and into private subnets. The Lambda functions are now producing errors in their attempts to access Systems Manager parameters.

Which solution will allow the Lambda functions to access Systems Manager parameters inside the VPC?

- A. Configure security groups to allow access to Systems Manager.
- B. Create an interface VPC endpoint for Systems Manager.
- C. Use an internet gateway from inside the VPC.
- D. Create a gateway VPC endpoint for Systems Manager.

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 611**

A developer has created an AWS Lambda function to provide notification through Amazon Simple Notification Service (Amazon SNS) whenever a file is uploaded to Amazon S3 that is larger than 50 MB. The developer has deployed and



tested the Lambda function by using the CLI. However, when the event notification is added to the S3 bucket and a 3.000 MB file is uploaded, the Lambda function does not launch. Which of the following is a possible reason for the Lambda function's inability to launch?

- A. The S3 event notification does not activate for files that are larger than 1.000 MB
- B. The resource-based policy for the Lambda function does not have the required permissions to be invoked by Amazon S3
- C. Lambda functions cannot be invoked directly from an S3 event.
- D. The S3 bucket needs to be made public

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 612

An ecommerce application is running behind an Application Load Balancer. A developer observes some unexpected load on the application during non-peak hours. The developer wants to analyze patterns for the client IP addresses that use the application. Which HTTP header should the developer use for this analysis?

- A. The X-Forwarded-Proto header
- B. The X-Forwarded-Host header
- C. The X-Forwarded-For header
- D. The X-Forwarded-Port header

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 613

A company is running a web application that is using Amazon Cognito for authentication. The company does not want to use multi-factor authentication (MFA) for all the visitors every time, but the company's security team has concerns about compromised credentials. The development team needs to configure mandatory MFA only when suspicious sign-in attempts are detected. Which Amazon Cognito feature will meet these requirements?

- A. Short message service (SMS) text message MFA
- B. Advanced security metrics
- C. Time-based one-time password (TOTP) software token MFA
- D. Adaptive authentication

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 614

An application is using Amazon DynamoDB as its data store, and should be able to read 100 items per second as strongly consistent reads. Each item is 5 KB in size. To what value should the table's provisioned read throughput be set?

- A. 50 read capacity units
- B. 100 read capacity units
- C. 200 read capacity units
- D. 500 read capacity units

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 615**

A developer is receiving kttp 400 : ThrorclngExceprion errors intermittently when calling the Amazon CloudWatch API. When a call (ails, no data is retrieved What best practice should first be applied to address this issue?

- A. Contact AWS Support for a limit increase.
- B. Use the AWS CLI to get the metrics
- C. Analyze the applications and remove the API call
- D. Retry the call with exponential backoff

**Correct Answer: D**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 616**

A developer needs to build and deploy a serverless application that has an API that mobile clients will use. The API will use Amazon DynamoDB and Amazon OpenSearch Service (Amazon Elasticsearch Service) as data sources Responses that are sent to the clients will contain aggregated data from both data sources The developer must minimize the number of API endpoints and must minimize the number of API calls that are required to retrieve the necessary data Which solution should the developer use to meet these requirements?

- A. GraphQL API on AWS AppSync
- B. REST API on Amazon API Gateway
- C. GraphQL API on an Amazon EC2 instance
- D. REST API on AWS Elastic Beanstalk

**Correct Answer: B**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 617**

A company wants to migrate an existing on-premises web application to AWS. The existing technology stacks consist of configuration files, application code that connects to a MySQL database by using a language-specific MySQL API, and a source code repository that holds configuration files and program code A developer uses an Amazon RDS for MySQL DB instance as the target database The developer uses a container as the compute engine for the web application program code The developer wants to configure the database connection from the web application code to the new RDS for MySQL DB instance without refactoring the existing code The developer also must maximize security for the storage of the database user name and password pair that the application code uses Which combination of steps should the developer take to meet these requirements? (Select TWO )

- A. Use the RDS software development kit (SDK) to construct a database client.
- B. Keep the existing database connectivity API code unchanged Change the database connection string URL to the endpoint of the RDS for MySQL DB instance
- C. Store the database's user name and password pair in the configuration files
- D. Use AWS Secrets Manager to store the database's user name and password pair Use the GetSecretValue API operation to retrieve the user name and password pair when the application makes MySQL DB API calls
- E. Use the environment variables of the container definition to pass the database's user name and password pair to the application code

**Correct Answer: BD**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 618**

Which of the following security resources are supplied by AWS? (Select TWO.)

- A. Trusted Advisor checks
- B. Service intrusion metrics
- C. Penetration testing
- D. Educational webinars
- E. Peer-to-peer file-sharing detection

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 619**

Which controls does the customer fully if inherit from AWS on AWS in the AWS shared responsibility model?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 620**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

## Amazon.Premium.AWS Certified Cloud Practitioner.864q

Number: CLF-C01  
Passing Score: 800  
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**Exam Code:** AWS Certified Cloud Practitioner  
**Exam Name:** AWS Certified Cloud Practitioner (CLF-C01)  
**Certification Provider:** Amazon  
**Corresponding Certification:** AWS Certified Cloud Practitioner  
**Website:** <https://VCEup.com/>  
**Free Exam:** <https://vceup.com/exam-aws-certified-cloud-practitioner/>



**Exam A****QUESTION 1**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/hands-on/create-business-intelligence-dashboards-using-amazonquicksight/>

**QUESTION 2**

Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

- A. Dedicated RIs
- B. Scheduled RIs
- C. Convertible RIs
- D. Standard RIs

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/>

**QUESTION 3**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/migrating-applications-from-monolithic-to-microservice-on-aws/>

**QUESTION 4**

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

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

D. Amazon Connect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudfront/>

#### QUESTION 5

Which AWS managed service is used to host databases?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating timeconsuming administration tasks such as hardware provisioning, database setup, patching and backups. It frees you to focus on your applications so you can give them the fast performance, high availability, security and compatibility they need.

Reference: <https://aws.amazon.com/rds/?c=db&sec=srv>

#### QUESTION 6

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

#### QUESTION 7

A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speed.

Which AWS service meets these requirements?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudfront/>

**QUESTION 8**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/config/>

**QUESTION 9**

A company wants to deploy some of its resources in the AWS Cloud. To meet regulatory requirements, the data must remain local and on premises. There must be low latency between AWS and the company resources. Which AWS service or feature can be used to meet these requirements?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/hybrid-cloud-with-aws.pdf> (18)

**QUESTION 10**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon ElastiCache for Redis is a great choice for implementing a highly available, distributed, and secure in-memory cache to decrease access latency, increase throughput, and ease the load off your relational or NoSQL databases and applications. ElastiCache can serve frequently requested items at sub-millisecond response times, and enables you to easily scale for higher loads without growing the costlier backend databases. Database query results caching, persistent session caching, and full-page caching are all popular examples of caching with ElastiCache for Redis.

Reference: <https://aws.amazon.com/products/databases/real-time-apps-elasticache-for-redis/>

**QUESTION 11**

A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet. Which AWS service or feature can the company use to meet these requirements?

- A. Network ACL

- B. AWS WAF
- C. Route table
- D. Security group

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_SecurityGroups.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html)

#### QUESTION 12

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

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 13

AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Choose two.)

- A. Implementing Amazon Rekognition
- B. Using AWS Shield-protected resources
- C. Blocking access with Security Groups
- D. Using Multi-Factor Authentication (MFA)
- E. Enforcing password strength and expiration

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 14

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-budgets/>

**QUESTION 15**

A company wants to distribute its incoming traffic across multiple Amazon EC2 instances. Which AWS service or feature should be used to meet this requirement?

- A. Amazon Virtual Private Cloud (Amazon VPC)
- B. AWS Application Load Balancer
- C. AWS Managed VPN
- D. AWS Direct Connect

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

**QUESTION 16**

Which AWS support plan includes a dedicated Technical Account Manager?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The enterprise support plans supports technical account manager. Developer and business support plans are devoid of this facility. Reference: <https://aws.amazon.com/premiumsupport/plans/>

**QUESTION 17**

What does AWS Marketplace allow users to do? (Choose two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/marketplace>

**QUESTION 18**

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application. What can the company do to meet this requirement?

- A. Set up invoiced billing.
- B. Use AWS Artifact.

- C. Set the budgets in Cost Explorer.
- D. Create cost allocation tags.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

#### QUESTION 19

What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is using used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### QUESTION 20

Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)
- C. Elastic Load Balancing (ELB)
- D. AWS Shield

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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. There are two tiers of AWS Shield - Standard and Advanced.

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

#### QUESTION 21

Which AWS service provides a self-service portal for on-demand access to AWS compliance reports?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

#### QUESTION 22

Which AWS services can host a Microsoft SQL Server database? (Choose two.)

- A. Amazon EC2
- B. Amazon Relational Database Service (Amazon RDS)
- C. Amazon Aurora
- D. Amazon Redshift
- E. Amazon S3

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/sql/>

#### QUESTION 23

Which AWS service or tool gives a company the ability to release application changes in an automated way?

- A. Amazon AppFlow
- B. AWS CodeDeploy
- C. AWS PrivateLink
- D. Amazon EKS Distro

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/codedeploy/>

#### QUESTION 24

An independent software vendor (ISV) wants to deploy its application on AWS. The ISV's customers must be able to access the application securely from their own AWS accounts.

Which AWS service or feature can the ISV use to securely provide access to its application?

- A. Virtual private gateway
- B. AWS Client VPN
- C. Internet gateway
- D. AWS PrivateLink

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Client VPN is a fully managed service that provides customers with the ability to securely access AWS and onpremises resources from any location using OpenVPN based clients.

Reference: <https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-accessaws-and-on-premises-resources/>

#### QUESTION 25

Which AWS service automatically handles application health monitoring?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/elasticbeanstalk/>

#### QUESTION 26

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Like your customized cloud expert, AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations in five categories: cost optimization, performance, security, fault tolerance and service limits.

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

#### QUESTION 27

What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- A. It simplifies relational database administration tasks.
- B. It provides 99.9999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enables users to dynamically adjust CPU and RAM resources.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 28

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/tools/>**QUESTION 29**

Which AWS service or feature provides users with recommendations for common billing questions?

- A. AWS Marketplace
- B. AWS Knowledge Center
- C. Amazon Pinpoint
- D. Amazon Connect

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:****QUESTION 30**

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

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

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/faqs/>**QUESTION 31**

One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

- A. it allows the business to eliminate IT bills.
- B. it allows the business to put a server in each customer's data center.
- C. it allows the business to focus on business activities.
- D. it allows the business to leave servers unpatched.

**Correct Answer: C****Section: (none)****Explanation****Explanation/Reference:****QUESTION 32**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 33**

A user has underutilized on-premises resources.

Which AWS Cloud concept can BEST address this issue?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

**QUESTION 34**

A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house.

Which of the following AWS programs can a customer take advantage of to achieve that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Which AWS service or feature is used to troubleshoot network connectivity issues between Amazon EC2 instances?

- A. AWS Certificate Manager (ACM)
- B. Internet gateway
- C. VPC Flow Logs
- D. AWS CloudHSM

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference <https://aws.amazon.com/premiumsupport/knowledge-center/network-issue-vpc-onprem-ig/>

**QUESTION 36**

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

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/>

#### QUESTION 37

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 38

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project. How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/solutions/aws-landing-zone/>

#### QUESTION 39

A company wants to route its traffic directly and privately to a VPC without going over the public internet. Which connectivity option provides this capability?

- A. AWS VPN
- B. AWS Direct Connect
- C. VPC NAT gateway
- D. VPC internet gateway

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/vpc/faqs/>

**QUESTION 40**

Which AWS service or feature allows the user to manager cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 41**

Which options are available to a user who wants to contact AWS Support? (Choose two.)

- A. Create an email case in the AWS Support Center.
- B. Visit a local AWS Support Center.
- C. Use live chat functionality.
- D. Call the customer service phone number.
- E. Use the video conference functionality of the AWS Support console.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

If you select Chat, you can chat online with a representative from AWS Support.

If you select Phone, you're prompted for a callback number. You receive a call from AWS Support as soon as you create the case.

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

**QUESTION 42**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Snowmobile is an exabyte-scale data transfer service that can move extremely large amounts of data to AWS in a fast, secure, and cost-effective manner. You can transfer up to 100PB per Snowmobile, a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck. Snowmobile makes it easy to move massive volumes of data to the cloud, including video libraries, image repositories, or even a complete data center migration. All data is encrypted with 256-bit encryption and you can manage your encryption keys with AWS Key Management Service (AWS KMS). Snowmobile includes GPS tracking, alarm monitoring, 24/7 video surveillance and an optional escort security vehicle while in transit.

Reference: <https://aws.amazon.com/about-aws/whats-new/2016/11/move-exabyte-scale-data-sets-with-aws-snowmobile/>

**QUESTION 43**



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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 44

Which of the following are valid ways for a customer to interact with AWS services? (Choose two.)

- A. Command line interface
- B. On-premises
- C. Software Development Kits
- D. Software-as-a-service
- E. Hybrid

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 45

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/autoscaling/>

#### QUESTION 46

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB. What is the MOST operationally efficient solution to delegate permissions?

- A. Create an IAM role with the required permissions. Attach the role to the EC2 instance.
- B. Create an IAM user and use its access key and secret access key in the application.
- C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance
- D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles\\_use\\_switch-role-ec2.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_use_switch-role-ec2.html)

**QUESTION 47**

A company needs to securely store important credentials that an application uses to connect users to a database. Which AWS service can meet this requirement with the MINIMAL amount of operational overhead?

- A. AWS Key Management Service (AWS KMS)
- B. AWS Config
- C. AWS Secrets Manager
- D. Amazon GuardDuty

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/secrets-manager/>

**QUESTION 48**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 49**

What is the benefit of using AWS managed services, such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- A. They require the customer to monitor and replace failing instances.
- B. They have better performance than customer-managed services.
- C. They simplify patching and updating underlying OSs.
- D. They do not require the customer to optimize instance type or size selections.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 50**

Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail

- C. AWS Organizations
- D. Amazon Connect

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/mt/automate-account-creation-and-resource-provisioning-using-aws-servicecatalog-aws-organizations-and-aws-lambda/>

#### QUESTION 51

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

- A. Volume pricing qualification
- B. Shared access permissions
- C. Multiple bills per account
- D. Eliminates the need for tagging

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

If you have multiple standalone accounts, your charges might decrease if you add the accounts to an organization. AWS combines usage from all accounts in the organization to qualify you for volume pricing discounts.

Reference: <https://help.nops.io/consolidated-billing>

#### QUESTION 52

What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

- A. Using many instances in parallel
- B. Using a single large instance during off-peak hours
- C. Using dedicated hardware
- D. Using a large GPU instance type

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/solutions/case-studies/encoding/>

#### QUESTION 53

How does consolidated billing help reduce costs for a company that has multiple AWS accounts?

- A. It aggregates usage across accounts so that the company can reach volume discount thresholds sooner.
- B. It offers an additional 5% discount on purchases of All Upfront Reserved Instances.
- C. It provides a simplified billing invoice that the company can process more quickly than a standard invoice.
- D. It gives AWS resellers the ability to bill their customers for usage.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.amazonaws.cn/en\\_us/awsaccountbilling/latest/aboutv2/consolidated-billing.html](https://docs.amazonaws.cn/en_us/awsaccountbilling/latest/aboutv2/consolidated-billing.html)

**QUESTION 54**

Which services use AWS edge locations? (Choose two.)

- A. Amazon CloudFront
- B. AWS Shield
- C. Amazon EC2
- D. Amazon RDS
- E. Amazon ElastiCache

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

**QUESTION 55**

How can a company isolate the costs of production and non-production workloads on AWS?

- A. Create Identity and Access Management (IAM) roles for production and non-production workloads.
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

**QUESTION 56**

Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 57**

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

- A. Amazon CloudFront distributions
- B. Amazon Route 53
- C. Security Groups

- D. Subnets
- E. Elastic Load Balancing

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

You can easily customize the network configuration for your Amazon VPC. For example, you can create a public-facing subnet for your web servers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to Amazon EC2 instances in each subnet.

Reference: <https://aws.amazon.com/vpc/>

#### QUESTION 58

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html>

#### QUESTION 59

An application designed to span multiple Availability Zones is described as:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

[https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj\\_NslAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj\\_eCGIsItA&hl=en&sa=X&ved=2ahUKEwiGzfrtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false](https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NslAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGIsItA&hl=en&sa=X&ved=2ahUKEwiGzfrtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false)

#### QUESTION 60

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

**QUESTION 61**

Which pillar of the AWS Well-Architected Framework focuses on the ability to recover automatically from service interruptions?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Resiliency is the ability of a workload to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions, such as misconfigurations or transient network issues.

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

**QUESTION 62**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/aws-overview.pdf>

**QUESTION 63**

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/faqs/>

**QUESTION 64**

Which tool can be used to compare the costs of running a web application in a traditional hosting environment to running it on AWS?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Total Cost of Ownership (TCO) Calculator

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 65

Which AWS service will track user activity on AWS?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/cloudtrail/#:~:text=Track%20user%20activity%20and%20API%20usage&text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure.>

#### QUESTION 66

A company with AWS Enterprise Support has questions about its consolidated bill.

Which AWS service, feature, or tool should the company use for assistance?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/faqs/>

#### QUESTION 67

A company has infrastructure in one AWS Region and is expanding operations to a second AWS Region. The company is using the same AWS CloudFormation template in the second Region that the company uses in the original Region.

The company attempts to launch Amazon EC2 On-Demand Instances in the second Region and receives error messages.

What could cause these error messages?

- A. A new EC2 key pair has not been created for the EC2 instances.
- B. The requested EC2 instance types are not available in the second Region.
- C. The company cannot operate in a second Region until it updates its AWS contract.
- D. The company has not configured AWS Budgets to monitor the budget for the EC2 instances.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The key pair does not exist. Launching EC2 instance failed.

Reference: <https://docs.aws.amazon.com/autoscaling/ec2/userguide/ts-as-instancetype-launch-failure.html>

#### QUESTION 68

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

#### QUESTION 69

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.ibexlabs.com/improve-operational-efficiency-via-digital-transformation-on-aws/>

#### QUESTION 70

A company's web application currently has tight dependencies on underlying components, so when one component fails the entire web application fails. Applying which AWS Cloud design principle will address the current design issue?

- A. Implementing elasticity, enabling the application to scale up or scale down as demand changes.
- B. Enabling several EC2 instances to run in parallel to achieve better performance.
- C. Focusing on decoupling components by isolating them and ensuring individual components can function when other components fail.
- D. Doubling EC2 computing resources to increase system fault tolerance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 71

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



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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 72

A company is hosting a web application in a Docker container on Amazon EC2. AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

#### QUESTION 73

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/waf/faq/>

#### QUESTION 74

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

**QUESTION 75**

Which AWS hybrid storage service enables your on-premises applications to seamlessly use AWS Cloud storage through standard file-storage protocols?

- A. AWS Direct Connect
- B. AWS Snowball
- C. AWS Storage Gateway
- D. AWS Snowball Edge

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

The AWS Storage Gateway service enables hybrid cloud storage between on-premises environments and the AWS Cloud. It seamlessly integrates on-premises enterprise applications and workflows with Amazon's block and object cloud storage services through industry standard storage protocols. It provides low-latency performance by caching frequently accessed data on premises, while storing data securely and durably in Amazon cloud storage services. It provides an optimized data transfer mechanism and bandwidth management, which tolerates unreliable networks and minimizes the amount of data being transferred. It brings the security, manageability, durability, and scalability of AWS to existing enterprise environments through native integration with AWS encryption, identity management, monitoring, and storage services. Typical use cases include backup and archiving, disaster recovery, moving data to S3 for in-cloud workloads, and tiered storage. Reference:

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

**QUESTION 76**

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 77**

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 78**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/redshift/>

#### QUESTION 79

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

#### QUESTION 80

A company wants to forecast its AWS Cloud costs for the upcoming year by analyzing its past AWS Cloud spending trends. Which AWS service should the company use to meet this requirement?

- A. AWS Control Tower
- B. Cost Explorer
- C. AWS OpsWorks
- D. AWS CloudFormation

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

#### QUESTION 81

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 82**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/networking-and-content-delivery/achieve-up-to-60-better-performance-forinternet-traffic-with-aws-global-accelerator/>

**QUESTION 83**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 84**

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

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

**Correct Answer:** BD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 85**

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

- A. Pay-as-you-go pricing
- B. Capacity forecasting

- C. Economies of scale
- D. Global reach

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://pages.awscloud.com/rs/112-TZM-766/images/Cloud%20Economics%20Ebook\\_October%202018.pdf](https://pages.awscloud.com/rs/112-TZM-766/images/Cloud%20Economics%20Ebook_October%202018.pdf)

#### QUESTION 86

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

- **Automatically recover from failure:** By monitoring a workload for key performance indicators (KPIs), you can trigger automation when a threshold is breached. These KPIs should be a measure of business value, not of the technical aspects of the operation of the service. This allows for automatic notification and tracking of failures, and for automated recovery processes that work around or repair the failure. With more sophisticated automation, it's possible to anticipate and remediate failures before they occur.
- **Test recovery procedures:** In an on-premises environment, testing is often conducted to prove that the workload works in a particular scenario. Testing is not typically used to validate recovery strategies. In the cloud, you can test how your workload fails, and you can validate your recovery procedures. You can use automation to simulate different failures or to recreate scenarios that led to failures before. This approach exposes failure pathways that you can test and fix before a real failure scenario occurs, thus reducing risk.

#### QUESTION 87

A company has distributed its workload on both the AWS Cloud and some on-premises servers. What type of architecture is this?

- A. Virtual private network
- B. Virtual private cloud
- C. Hybrid cloud
- D. Private cloud

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/hybrid/>

**QUESTION 88**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 89**

Which AWS service can a customer use to set up an alert notification when the account is approaching a particular dollar amount?

- A. AWS Cost and Usage reports
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Trusted Advisor

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**QUESTION 90**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

**QUESTION 91**

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 92**

Which AWS service can be used to decouple applications?

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 93**

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

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

**Correct Answer:** CD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 94**

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

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
AWS assets are centrally managed through an inventory management system that stores and tracks owner, location, status, maintenance, and descriptive information for AWS-owned assets. Following procurement, assets are scanned and tracked, and assets undergoing maintenance are checked and monitored for ownership, status, and resolution. Reference:  
<https://aws.amazon.com/compliance/data-center/controls/>

**QUESTION 95**

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



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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://medium.com/tensult/how-to-protect-objects-from-accidental-deletion-and-overwrite-using-s3-objectversioning-5222796ab156>

S3 Object Versioning is one of the most salient features in Amazon S3.

Object versioning is used to avoid unintended overwrite and deletion.

Versioning is not enabled by default and this feature is used to keep multiple versions of objects at the same time in the bucket.

If we enable versioning on the bucket, we cannot delete an object directly.

All versions remain in the bucket and a delete marker is introduced which becomes the current version. So if you need to delete an object, you need to remove that delete marker also. Existing objects in your bucket do not change and only future requests behavior changes. If we put an object retrieval request, the current version of the object will always return.

#### QUESTION 96

Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Service Catalog Delivery Partners are APN Consulting Partners who help create catalogs of IT services that are approved by the customer's organization for use on AWS. With AWS Service Catalog, customers and partners can centrally manage commonly deployed IT services to help achieve consistent governance and meet compliance requirements while enabling users to self-provision approved services.

Reference: <https://aws.amazon.com/servicecatalog/partners/>

#### QUESTION 97

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability. Which service will support these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. Amazon CloudFront

**Correct Answer:** C



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference: <https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sortby=item.additionalFields.createdAt&blogs-global-accelerator.sort-order=desc&aws-global-acceleratorwn.sortby=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

**QUESTION 98**

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

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 99**

Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

**QUESTION 100**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 101**

Which AWS tool will identify security groups that grant unrestricted Internet access to a limited list of ports?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Usage Report
- D. Amazon EC2 dashboard

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions. What is the most suitable and cost-effective option for this task?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/spot/details/>

**QUESTION 103**

What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://jayendrapatil.com/aws-consolidated-billing/>

## Consolidated Billing Benefits

- **One Bill**
  - A single bill with a combined view of AWS costs incurred by all accounts is generated
- **Easy Tracking**
  - Detailed cost report & charges for each of the individual AWS accounts associated with the "paying account" can be easily tracked
- **Combined Usage & Volume Discounts**
  - Charges might actually decrease because AWS combines usage from all the accounts to qualify you for **volume pricing discounts**
- **Free Tier**
  - Customers that use Consolidated Billing to consolidate payment across multiple accounts **will only have access to one free usage tier** and it is not combined across accounts

### QUESTION 104

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

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilities-for-trustedadvisor/>

### QUESTION 105

According to the AWS shared responsibility model, what is AWS responsible for?

- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

**Correct Answer:** D

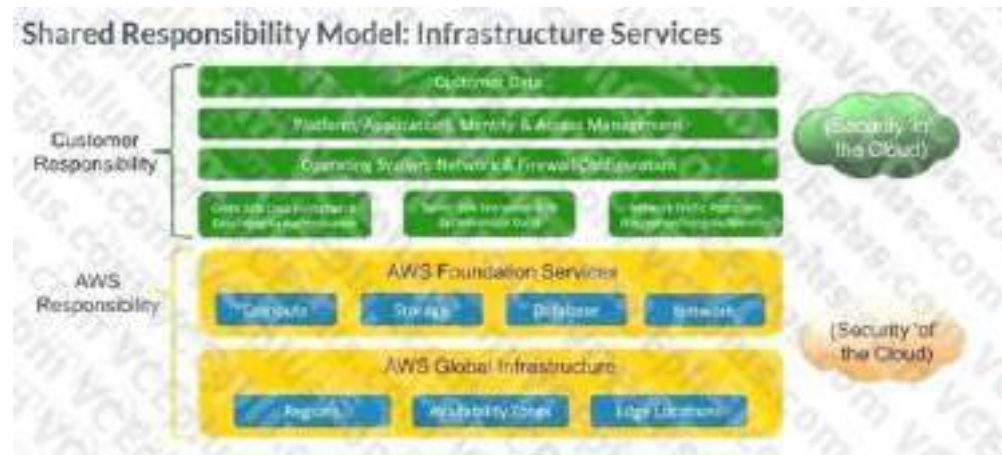
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 106**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run.

No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 107**

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub
- D. AWS Well-Architected Tool

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, wellarchitected, and ready to use. Control Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

Reference: <https://aws.amazon.com/blogs/aws/aws-control-tower-set-up-govern-a-multi-account-aws-environment/>

**QUESTION 108**

What technology enables compute capacity to adjust as loads change?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you're already using Amazon EC2 Auto Scaling to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

Reference: <https://aws.amazon.com/autoscaling/>

#### QUESTION 109

A company uses Amazon DynamoDB in its AWS Cloud architecture.

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

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

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 110

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

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/>

#### QUESTION 111

A company spends several months upgrading its on-premises infrastructure every few years. The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud.

What is the main benefit of migrating to the AWS Cloud for this use case?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 112**

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

- A. AWS CloudTrail across multiple Availability Zones
- B. Amazon CloudFront to edge locations
- C. AWS CloudFormation in multiple regions
- D. A virtual private gateway over AWS Direct Connect

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

You can deliver content and decrease end-user latency of your web application using Amazon CloudFront. CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon S3 bucket, an Amazon EC2 instance, an Amazon Elastic Load Balancing load balancer or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

**QUESTION 113**

Which AWS service or feature is available only to users who have an AWS Enterprise Support plan?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. AWS Concierge Support team
- D. Amazon Connect

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

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

**QUESTION 114**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://innovationtactics.com/amazon-business-model-amazon-web-services/>



## The strategic view

Amazon is often described as an economies of scale company that is so successful and cost-effective because they scale everything up ad infinitum (or more than others anyway). In reality, however, economies of scale don't go down asymptotically as you scale up. They reach an optimal point and then start increasing like a bathtub. If you scale beyond good utilisation you have spent Capex at low ROIC and incur unnecessarily high ongoing maintenance costs.

Thus, economies of scale require a thoughtful management, a healthy growth of new customer (to cater for churn and then some), useful functionality for existing customer so they expand their solution, cost management tools, incentives to achieve optimal utilisation and more.

### QUESTION 115

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

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 116

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 117

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity/>

**QUESTION 118**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Loose coupling between services can also be done through asynchronous integration. It involves one component that generates events and another that consumes them. The two components do not integrate through direct point-to-point interaction, but usually through an intermediate durable storage layer. This approach decouples the two components and introduces additional resiliency. So, for example, if a process that is reading messages from the queue fails, messages can still be added to the queue to be processed when the system recovers.

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

**QUESTION 119**

Which of the following is a shared control between the customer and AWS?

- A. Providing a key for Amazon S3 client-side encryption
- B. Configuration of an Amazon EC2 instance
- C. Environmental controls of physical AWS data centers
- D. Awareness and training

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 120**

A user wants to move legacy applications to the AWS Cloud to reduce the total cost.

Which option is the MOST cost-effective according to best practices?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 121**

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



Which AWS service or feature should the officer use?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/vpn/faqs/>

#### QUESTION 122

A company has refined its workload to use specific AWS services to improve efficiency and reduce cost.

Which best practice for cost governance does this example show?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/architecture/AWS-Cost-Optimization-Pillar.pdf>

#### QUESTION 123

What is an example of agility in the AWS Cloud?

- A. Access to multiple instance types
- B. Access to managed services
- C. Using Consolidated Billing to produce one bill
- D. Decreased acquisition time for new compute resources

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/enterprise-strategy/risk-is-lack-of-agility/>

#### QUESTION 124

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

An IAM group is a collection of IAM users. You can use groups to specify permissions for a collection of users, which can make those permissions easier to manage for those users. For example, you could have a group called Admins and give that group the types of permissions that administrators typically need. Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/id.html>

**QUESTION 125**

Which load balancer types are available with Elastic Load Balancing (ELB)? (Choose two.)

- A. Public load balancers with AWS Application Auto Scaling capabilities
- B. F5 Big-IP and Citrix NetScaler load balancers
- C. Classic Load Balancers
- D. Cross-zone load balancers with public and private IPs
- E. Application Load Balancers

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Elastic Load Balancing supports the following types of load balancers: Application Load Balancers, Network Load Balancers, and Classic Load Balancers. Amazon ECS services can use either type of load balancer. Application Load Balancers are used to route HTTP/HTTPS (or Layer 7) traffic. Network Load Balancers and Classic Load Balancers are used to route TCP (or Layer 4) traffic.

Reference: <https://docs.aws.amazon.com/AmazonECS/latest/developerguide/load-balancer-types.html>

**QUESTION 126**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <http://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/>

**QUESTION 127**

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

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

D. Updating the Lambda runtime environment

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 128**

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

- A. Maintaining the underlying Amazon EC2 hardware.
- B. Managing the VPC network access control lists.
- C. Encrypting data in transit and at rest.
- D. Replacing failed hard disk drives.
- E. Deploying hardware in different Availability Zones.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The hardware related jobs is the prime responsibility of AWS. VPC network access control lists is something a customer has to do himself to secure the applications. Encrypting data in transit and at rest is a shared responsibility in which AWS plays a part. All hardware related jobs have nothing to do with the customer.

Reference: <https://dzone.com/articles/aws-shared-responsibility-model-cloud-security>

**QUESTION 129**

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.
- D. Implement elasticity.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 130**

According to the AWS shared responsibility model, who is responsible for the virtualization layer down to the physical security of the facilities in which AWS services operate?

- A. It is the sole responsibility of the customer.
- B. It is the sole responsibility of AWS.
- C. It is a shared responsibility between AWS and the customer.
- D. The customer's AWS Support plan tier determines who manages the configuration.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 131**

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 132**

Which of the following are advantages of using AWS for cloud computing? (Choose two.)

- A. Users can increase speed and agility by deploying services with just one click.
- B. Users receive a discount on hardware that they purchase for their data centers.
- C. Users can reserve excess capacity to ensure that resources are always available.
- D. Users trade variable expenses for capital expenses.
- E. Users benefit from massive economies of scale.

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

**Trade capital expense for variable expense** – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume.

**Benefit from massive economies of scale** – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay-as-you-go prices.

**Stop guessing capacity** – Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often end up either sitting on expensive idle resources or dealing with limited capacity. With cloud computing, these problems go away. You can access as much or as little capacity as you need, and scale up and down as required with only a few minutes' notice.

**Increase speed and agility** – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.

**Stop spending money running and maintaining data centers** – Focus on projects that differentiate your business, not the infrastructure. Cloud computing lets you focus on your own customers, rather than on the heavy lifting of racking, stacking, and powering servers.

**Go global in minutes** – Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide lower latency and a better experience for your customers at minimal cost.

**QUESTION 133**

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost, which Amazon EC2 purchasing option should be used?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 134**

A company must store critical business data in Amazon S3 with a backup to another AWS Region. How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up to the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 135**

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination. Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

**QUESTION 136**

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

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

E. Network costs

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.slideshare.net/AmazonWebServices/optimizing-total-cost-of-ownership-for-the-aws-cloud-36852296>

**QUESTION 137**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

**QUESTION 138**

Which of the following allows users to provision a dedicated network connection from their internal network to AWS?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs. Reference:

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

**QUESTION 139**

Which services manage and automate application deployments on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS CodeCommit
- C. AWS Data Pipeline
- D. AWS CloudFormation
- E. AWS Config

**Correct Answer:** AD

**Section:** (none)



**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/deploying.applications.html>**QUESTION 140**

What are the advantages of Reserved Instances? (Choose two.)

- A. They provide a discount over on-demand pricing.
- B. They provide access to additional instance types.
- C. They provide additional networking capability.
- D. Customers can upgrade instances as new types become available.
- E. Customers can reserve capacity in an Availability Zone.

**Correct Answer:** AE**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/>**QUESTION 141**

A company is considering a move to the AWS Cloud. The company wants to be able to scale its compute resources as needed to accommodate changing loads. Which benefit of the AWS Cloud does this scenario describe?

- A. Global deployments in minutes
- B. Cost savings
- C. Agility
- D. Elasticity

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 142**

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

**QUESTION 143**

Web servers running on Amazon EC2 access a legacy application running in a corporate data center. What term would describe this model?

- A. Cloud-native
- B. Partner network
- C. Hybrid architecture
- D. Infrastructure as a service

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/enterprise/hybrid/>

**QUESTION 144**

Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Cost Allocation Tags
- D. AWS Organizations

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 145**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cognito/>

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_users.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_users.html)

**QUESTION 146**

A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/connect/latest/adminguide/set-up-recordings.html>

**QUESTION 147**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Of course, Amazon is responsible for auditing physical data center assets and resources since it is the property of Amazon Inc. Customers have no access to physical sites, hence they are not responsible for maintaining physical data center assets.

**QUESTION 148**

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

- A. Availability Zones
- B. AWS Regions

- C. AWS Organizations
- D. Edge locations

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_manage\\_policies\\_scps.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html)

#### QUESTION 149

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/Migration/aws-migration-whitepaper.pdf>

#### QUESTION 150

A company wants to monitor the CPU usage of its Amazon EC2 resources.

Which AWS service should the company use?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Cost and Usage report
- D. Amazon Simple Notification Service (Amazon SNS)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

With Basic monitoring you get data on your cloudwatch metrics every 5 minutes. Enabling detailed monitoring, you will get the data every one minute.

To check if detailed monitoring is enabled, on your EC2 Console, Select the instance, on the lower plane, Select Monitoring.

Reference: <https://forums.aws.amazon.com/thread.jspa?threadID=263876>

#### QUESTION 151

A company is planning to host a large ecommerce application in the AWS Cloud. The company must create an architecture that provides protection against network-based security issues, such as DDoS attacks.

Which AWS services should the company use to meet this requirement? (Choose two.)

- A. Amazon Inspector
- B. Amazon GuardDuty
- C. Amazon CloudFront
- D. AWS Shield
- E. AWS Identity and Access Management (IAM)

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS WAF is a web application firewall that can be deployed on CloudFront to help protect your application against DDoS attacks by giving you control over which traffic to allow or block by defining security rules.

Set up your DDoS protection on AWS

All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge.

Reference: <https://aws.amazon.com/blogs/security/how-to-protect-dynamic-web-applications-against-ddos-attacks-by-usingamazon-cloudfront-and-amazon-route-53/> <https://aws.amazon.com/shield/ddos-attack-protection/>

**QUESTION 152**

A company is looking for a scalable data warehouse solution.

Which of the following AWS solutions would meet the company's needs?

- A. Amazon Simple Storage Service (Amazon S3)
- B. Amazon DynamoDB
- C. Amazon Kinesis
- D. Amazon Redshift

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/redshift/>



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**QUESTION 153**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

IT systems should ideally be designed in a way that reduces inter-dependencies. Your components need to be loosely coupled to avoid changes or failure in one of the components from affecting others.

Your infrastructure also needs to have well defined interfaces that allow the various components to interact with each other only through specific, technology-agnostic interfaces. Modifying any underlying operations without affecting other components should be made possible.

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

#### QUESTION 154

Which AWS service or feature is designed to help companies take advantage of quantity discounts available from AWS?

- A. Saving Plans
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Pricing Calculator

**Correct Answer: C**

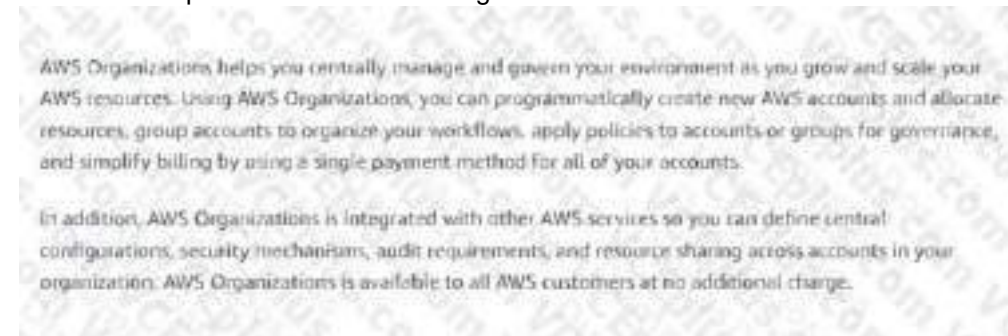
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/organizations/>



#### QUESTION 155

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2013/02/11/announcing-dns-failover-for-route-53/>

#### QUESTION 156

Which AWS service can serve a static website?

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

You can host a static website on Amazon Simple Storage Service (Amazon S3). On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website relies on server-

side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting.  
Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/WebsiteHosting.html>

**QUESTION 157**

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

- A. Deploy applications across multiple Availability Zones within an AWS Region.
- B. Use a hybrid cloud computing deployment model within the geographic area.
- C. Deploy applications across multiple AWS Regions.
- D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

An AWS Region is a geographic location where AWS provides multiple, physically separated and isolated Availability Zones which are connected with low latency, high throughput, and highly redundant networking.

Reference: <https://aws.amazon.com/s3/faqs/>

**QUESTION 158**

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments. How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.
- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_manage\\_accounts.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html)

**QUESTION 159**

Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- A. Shared responsibility security model
- B. Single tenancy
- C. Elastic computing
- D. Encryption

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 160**

Which AWS service offers on-demand access to AWS security and compliance reports?

- A. AWS CloudTrail
- B. AWS Artifact
- C. AWS Health
- D. Amazon CloudWatch

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).  
Reference: <https://aws.amazon.com/artifact/>

**QUESTION 161**

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

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).  
Reference: <https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

**QUESTION 162**

A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future. Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end. Reference: <http://www.agilenutshell.com>

**QUESTION 163**

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

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**



**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/outposts/>**QUESTION 164**

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Choose two.)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency.
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages.
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency.
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages.
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency.

**Correct Answer:** AC**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/comprehend/features/> <https://aws.amazon.com/cloudfront/>**QUESTION 165**

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

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

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/storagegateway/faqs/>

**QUESTION 166**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/storage/transferring-files-from-on-premises-to-aws-and-back-without-leaving-yourvpc-using-aws-datasync/>

**QUESTION 167**

Which AWS service or feature requires an internet service provider (ISP) and a colocation facility to be implemented?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/directconnect/partners/>

**QUESTION 168**

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

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

**Correct Answer: CE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Rearchitecting applications involves sweeping change where an old monolithic application is completely revamped according to modern microservices architecture. Using individual components to rearchitect a big application is one part of the process.

The most important part is to design the application for scalability because the level of investment for a monolithic application can only be justified when resilience and scalability is needed.

Reference: <https://www.architech.ca/re-architect-applications/>



**QUESTION 169**

A company wants to increase its ability to recover its infrastructure in the case of a natural disaster. Which pillar of the AWS Well-Architected Framework does this ability represent?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

**QUESTION 170**

A company is considering migrating its applications to AWS. The company wants to compare the cost of running the workload on-premises to running the equivalent workload on the AWS platform. Which tool can be used to perform this comparison?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

TCO calculator compare the cost of running your applications in an on-premises or colocation environment to AWS.

Reference: <https://awstcocalculator.com>

**QUESTION 171**

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

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/tips-for-right-sizing-yourworkloads.html>

**QUESTION 172**

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

- A. Amazon EC2
- B. Amazon DynamoDB

- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/autoscaling/faqs/>

#### QUESTION 173

To use the AWS CLI, users are required to generate:

- A. a password policy.
- B. an access/secret key.
- C. a managed policy.
- D. an API key.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 174

A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/elasticbeanstalk/>

#### QUESTION 175

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.missioncloud.com/blog/aws-security-make-sure-your-share-the-responsibility>

**QUESTION 176**

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

The AWS Cloud infrastructure is built around AWS Regions and Availability Zones. An AWS Region is a physical location in the world where we have multiple Availability Zones. Availability Zones consist of one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities. These Availability Zones offer you the ability to operate production applications and databases that are more highly available, fault tolerant, and scalable than would be possible from a single data center. The AWS Cloud operates in 80 Availability Zones within 25 geographic Regions. For more information on the AWS Cloud Availability Zones and AWS Regions, see [AWS Global Infrastructure ES](#).

**QUESTION 177**

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

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

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

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

All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge. AWS Shield Standard defends against most common, frequently occurring network and transport layer DDoS attacks that target your web site endpoints. When you use AWS Shield Standard with Amazon CloudFront or Amazon Route 53, you receive comprehensive availability protection against all known infrastructure (Layer 3 and 4) attacks.

For higher levels of protection against attacks targeting your applications running on Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing (ELB), Amazon CloudFront, AWS Global Accelerator, and Amazon Route 53 resources, you can subscribe to AWS Shield Advanced. In addition to the network and transport layer protection that comes with Standard, AWS Shield Advanced provides additional detection and mitigation against large and sophisticated DDoS attacks, near real-time visibility into attacks, and integration with AWS WAF, a web application firewall. AWS Shield Advanced also gives you 24x7 access to the AWS Shield Response Team (SRT) and protection against DDoS-related spikes in your Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing (ELB), Amazon CloudFront, AWS Global Accelerator, and Amazon Route 53 charges.

**QUESTION 178**

What is AWS Trusted Advisor?

- A. It is an AWS staff member who provides recommendations and best practices on how to use AWS.
- B. It is a network of AWS partners who provide recommendations and best practices on how to use AWS.
- C. It is an online tool with a set of automated checks that provides recommendations on cost optimization, performance, and security.
- D. It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices. Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.  
Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

**QUESTION 179**

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

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/about-aws/whats-new/2020/04/you-can-now-use-aws-control-tower-to-set-up-new-multiaccount-aws-environments-in-aws-organizations/>



**QUESTION 180**

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

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

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

**QUESTION 181**

An ecommerce company wants to design a highly available application that will be hosted on multiple Amazon EC2 instances. How should the company deploy the EC2 instances to meet these requirements?

- A. Across multiple edge locations
- B. Across multiple VPCs
- C. Across multiple Availability Zones
- D. Across multiple AWS accounts

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Consider the availability of multiple data centers

Reference: <https://docs.aws.amazon.com/whitepapers/latest/web-application-hosting-best-practices/web-application-hostingbest-practices.pdf>

**QUESTION 182**

Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

**QUESTION 183**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>



**QUESTION 184**

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only. Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

**Correct Answer:** A

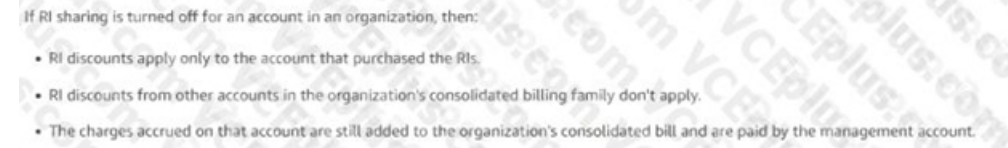
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

**QUESTION 185**

Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/dedicated-hosts/pricing/>

**QUESTION 186**

Which of the following is an AWS managed Domain Name System (DNS) web service?

- A. Amazon Route 53

- B. Amazon Neptune
- C. Amazon SageMaker
- D. Amazon Lightsail

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/tutorials/get-a-domain/>

#### QUESTION 187

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances. Which benefit of the AWS Cloud does this example illustrate?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 188

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

#### QUESTION 189

Where are AWS compliance documents, such as an SOC 1 report, located?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/soc-faqs/>

**QUESTION 190**

A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region.
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
- C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
- D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 191**

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 192**

A company has multiple AWS accounts and wants to simplify and consolidate its billing process. Which AWS service will achieve this?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 193**

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

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



D. Reserved Instances

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html>



#### QUESTION 194

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

#### QUESTION 195

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 196

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

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

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

#### QUESTION 197

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whatsnew-cards.sort-order=desc>

#### QUESTION 198

Which of the following security-related actions are available at no cost?

- A. Calling AWS Support
- B. Contacting AWS Professional Services to request a workshop
- C. Accessing forums, blogs, and whitepapers
- D. Attending AWS classes at a local university

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 199

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 200**

Which AWS service is a relational database compatible with MySQL and PostgreSQL?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/aurora/?aurora-whats-new.sort-by=item.additionalFields.postDateTime&aurorawhats-new.sort-order=desc>

**QUESTION 201**

How do AWS users trade infrastructure expenses for operational expenses?

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas.

Reference: <https://aws.amazon.com/autoscaling/>

**QUESTION 202**

Which AWS service or tool creates an audit log of all AWS resources that have been created?

- A. Amazon CloudFront
- B. Amazon CloudWatch
- C. AWS CloudTrail

D. AWS Application Migration Service (CloudEndure Migration)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudTrail, AWS Config, and AWS Config Rules provide audit and change tracking features for auditing AWS resource changes.

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/audit-accountability.html>

#### QUESTION 203

Which AWS service or feature is highly available by default?

- A. Amazon EC2
- B. Amazon Aurora
- C. NAT instances
- D. Amazon RDS

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

#### QUESTION 204

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously.

Which AWS storage service should be used?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/efs/>

#### QUESTION 205

Which AWS service or feature can simplify the management of hundreds of VPC connections across AWS Regions worldwide?

- A. AWS Transit Gateway
- B. Amazon Connect
- C. Security groups
- D. VPC peering

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/transit-gateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whatsnew-cards.sort-order=desc>

Benefits of using AWS Transit Gateway			
Easier connectivity	Better visibility and control	Improved security	Flexible multicast
AWS Transit Gateway acts as a cloud router to simplify your network architecture. As your network grows, the complexity of managing incremental connections doesn't slow you down. When building global applications, you can connect AWS Transit Gateways using Inter-Region peering.	With AWS Transit Gateway Network Manager, you can easily monitor your Amazon VPCs and edge connections from a central console. Integrated with popular SD-WAN devices, AWS Transit Gateway Network Manager helps you quickly identify issues and react to events on your global network.	Traffic between an Amazon VPC and AWS Transit Gateway remains on the AWS global private network and is not exposed to the public internet. AWS Transit Gateway Inter-Region peering encrypts all traffic, with no single point of failure or bandwidth bottleneck. This helps protect against distributed denial of service (DDoS) attacks and other common exploits.	AWS Transit Gateway multicast support distributes the same content to multiple specific destinations. This eliminates the need for expensive on-premises multicast networks and reduces the bandwidth needed for high-throughput applications such as video conferencing, media, or teleconferencing.

**QUESTION 206**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.nakivo.com/blog/amazon-s3-encryption-configuration-overview/>

**QUESTION 207**

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

- A. Amazon EMR
- B. Elastic Load Balancing
- C. AWS Lambda
- D. AWS Mobile Hub

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

Reference: <https://aws.amazon.com/serverless/>

**QUESTION 208**

A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

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

#### QUESTION 209

A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours, 5 minutes, and 6 seconds.

For how much time will the customer be billed?

- A. 3 hours, 5 minutes
- B. 3 hours, 5 minutes, and 6 seconds
- C. 3 hours, 6 minutes
- D. 4 hours

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

Today, customers may have use cases that require large number of instances running for irregular periods of time, such as dev/test, data processing, analytics, batch processing, image rendering and gaming applications. To improve flexibility and allow customers to focus on their application instead of maximizing usage to the hour, with EC2 per second billing, customers can start, stop, and terminate EC2 instances and take comfort in the fact that their EC2 resources will not be charged for the minutes and seconds remaining in the hours their instances were running.

This change is effective in all AWS Regions and is effective immediately, for Linux instances that are newly launched or already running. Per-second billing is not currently applicable to instances running Microsoft Windows or Linux distributions that have a separate hourly charge.

List prices and Spot Market prices are still listed on a per-hour basis, but bills are calculated down to the second. With Reserved Instances usage you can launch, use, and terminate multiple instances within an hour and get the Reserved Instance Benefit for all of the instances. Bills will now show times in decimal form, instead of in minutes and seconds.

#### QUESTION 210

A company's compliance officer wants to review the AWS Service Organization Control (SOC) reports.

Which AWS service or feature should the compliance officer use to complete this task?

- A. AWS Artifact
- B. AWS Concierge Support
- C. AWS Support
- D. AWS Trusted Advisor

**Correct Answer: A**

**Section: (none)**



**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/soc-faqs/>**QUESTION 211**

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

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

**Correct Answer:** BD**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://intellipaat.com/blog/aws-benefits-and-drawbacks/>**QUESTION 212**

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

- A. AWS Cost and Usage Report
- B. AWS Organizations service control policies (SCPs)
- C. AWS Config rules
- D. VPC Flow Logs

**Correct Answer:** C**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/config/>

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

**QUESTION 213**

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it. Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

VCEUp

**QUESTION 214**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/big-data/what-is-hbase/#:~:text=HBase%20and%20Hadoop%20on%20AWS,across%20dynamically%20scalable%20EC2%20instances>



## What is HBase?

Apache HBase is an open-source, NoSQL, distributed big data store. It enables random, strictly consistent, real-time access to petabytes of data. HBase is very effective for handling large, sparse datasets.

HBase integrates seamlessly with Apache Hadoop and the Hadoop ecosystem and runs on top of the Hadoop Distributed File System (HDFS) or Amazon S3 using Amazon Elastic MapReduce (EMR) file system, or EMRFS. HBase serves as a direct input and output to the Apache MapReduce framework for Hadoop, and works with Apache Phoenix to enable SQL-like queries over HBase tables.

### QUESTION 215

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

AWS Personal Health Dashboard provides alerts and guidance for AWS events that might affect your environment. While the Service Health Dashboard shows the general status of AWS services, the Personal Health Dashboard provides proactive and transparent notifications about your specific AWS environment.

All AWS customers can access the Personal Health Dashboard. The Personal Health Dashboard shows recent events to help you manage active events, and shows proactive notifications so that you can plan for scheduled activities. Use these alerts to get notified about changes that can affect your AWS resources, and then follow the guidance to diagnose and resolve issues.

### QUESTION 216

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

**QUESTION 217**

Which action is consistent with the principle of least privilege in terms of AWS Cloud architecture?

- A. Allow users the minimum access that is needed to do a task.
- B. Prevent managers from accessing important source code.
- C. Provide only the permissions that are needed for users to do their jobs in the current month.
- D. Assign permissions that are based on job titles.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/how-to-define-least-privileged-permissions-for-actions-called-by-awsservices/>

**QUESTION 218**

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

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
- E. Closing an AWS account

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

**QUESTION 219**

Which service enables customers to audit and monitor changes in AWS resources?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference: <https://aws.amazon.com/config/>

**Tasks**

- Change your account settings. This includes the account name, email address, root user password, and root user access keys. Other account settings, such as contact information, payment currency preference, and Regions, do not require root user credentials.
- Restore IAM user permissions. If the only IAM administrator accidentally revokes their own permissions, you can sign in as the root user to edit policies and restore those permissions.
- Activate IAM access to the Billing and Cost Management console.
- View certain tax invoices. An IAM user with the `aws-portal:ViewBilling` permission can view and download VAT invoices from AWS Europe, but not AWS Inc or Amazon Internet Services Pvt. Ltd (AISPL).
- Close your AWS account.
- Change your AWS Support plan ID or Cancel your AWS Support plan ID. For more information, see [IAM for AWS Support ID](#).
- Register as a seller in the Reserved Instance Marketplace.
- Configure an Amazon S3 bucket to enable MFA (multi-factor authentication) Delete.
- Edit or delete an Amazon S3 bucket policy that includes an invalid VPC ID or VPC endpoint ID.
- Sign up for GovCloud.

**QUESTION 220**

A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but the user access must be controlled in a more secure and reliable way. Which AWS service or feature will meet these requirements?

- A. Security groups
- B. Amazon GuardDuty
- C. AWS Secrets Manager
- D. Amazon Cognito

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 221**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 222**

A company requires an isolated environment within AWS for security purposes.

Which action can be taken to accomplish this?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>



#### QUESTION 223

Which AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Choose two.)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/hybrid/>



**QUESTION 224**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/startups/large-scale-disaster-recovery-using-aws-regions/>

**QUESTION 225**

How many Availability Zones should compute resources be provisioned across to achieve high availability?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three
- D. A minimum of four or more

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 226**

Which AWS service should be used to create a billing alarm?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**QUESTION 227**

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 228**

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 229**

Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 230**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Developer and IT staff productivity accounted for nearly 30% of overall financial benefits. The remaining benefits were driven by the flexibility and agility of Amazon cloud infrastructure services, which make it easier to trial new business models, support revenue-generating applications, and provide more reliable services to end users.

Reference: [https://media.amazonwebservices.com/IDC\\_Business\\_Value\\_of\\_AWS\\_Accelerates\\_Over\\_time.pdf](https://media.amazonwebservices.com/IDC_Business_Value_of_AWS_Accelerates_Over_time.pdf)

**QUESTION 231**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 232**

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

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

**QUESTION 233**

What is Amazon CloudWatch?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon CloudWatch is basically a metrics repository. An AWS service — such as Amazon EC2 — puts metrics into the repository, and you retrieve statistics based on those metrics. If you put your own custom metrics into the repository, you can retrieve statistics on these metrics as well.

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch\\_architecture.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch_architecture.html)

**QUESTION 234**

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

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



- D. Physical and environmental controls
- E. Service and communications protection or security

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Shared%20Controls%20-%20Controls%20which%20apply,their%20use%20of%20AWS%20services.>

#### QUESTION 235

Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Choose two.)

- A. Service limits
- B. High utilization Amazon EC2 instances
- C. Security groups – specific ports unrestricted
- D. Load balancer optimization
- E. Large number of rules in an EC2 security groups

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/faqs/>

#### QUESTION 236

Which phase describes agility as a benefit of building in the AWS Cloud?

- A. The ability to pay only when computing resources are consumed, based on the volume of resources that are consumed
- B. The ability to eliminate guessing about infrastructure capacity needs
- C. The ability to support innovation through a reduction in the time that is required to make IT resources available to developers
- D. The ability to deploy an application in multiple AWS Regions around the world in minutes

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### QUESTION 237

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

- A. Operational excellence
- B. Cost optimization
- C. Security
- D. Well-Architected Framework
- E. Rightsizing

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Trusted Advisor  
Reduce costs, improve performance, improve security  
Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

**QUESTION 238**

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 239**

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/faqs/>

**QUESTION 240**

What is the value of using third-party software from AWS Marketplace instead of installing third-party software on Amazon EC2? (Choose two.)

- A. Users pay for software by the hour or month depending on licensing.
- B. AWS Marketplace enables the user to launch applications with 1-Click.
- C. AWS Marketplace data encryption is managed by a third-party vendor.
- D. AWS Marketplace eliminates the need to upgrade to newer software versions.
- E. Users can deploy third-party software without testing.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/partners/aws-marketplace/>

**QUESTION 241**

A company wants to automate the retention, creation, and deletion of Amazon Elastic Block Store (Amazon EBS) snapshots. Which AWS service or feature can the company use to meet this requirement?

- A. AWS Organizations
- B. Amazon Data Lifecycle Manager (Amazon DLM)

- C. AWS Systems Manager
- D. Amazon S3 Lifecycle policies

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/storage/automating-amazon-ebs-snapshots-management-using-data-lifecyclemanager/>

#### QUESTION 242

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>



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#### QUESTION 243

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

- A. AWS provides users with full control over the underlying resources.
- B. AWS does not require long-term contracts and provides a pay-as-you-go model.
- C. AWS offers edge locations in every country, supporting global reach.
- D. AWS has no limits on the number of resources that can be created.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers you a pay-as-you-go approach for pricing for over 160 cloud services. With AWS you pay only for the individual services you need, for as long as you use them, and without requiring long-term contracts or complex licensing. AWS pricing is similar to how you pay for utilities like water and electricity. You only pay for the services you consume, and once you stop using them, there are no additional costs or termination fees.

Reference: <https://aws.amazon.com/pricing/>

**QUESTION 244**

Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

**QUESTION 245**

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

- A. It provides on-demand resources for peak usage.
- B. It automates the provisioning of individual developer environments.
- C. It automates customer relationship management.
- D. It implements a fixed monthly computing budget.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can continue to optimize your spend and keep your development costs low by making sure you revisit your architecture often, to adjust to your startup growth. Manage your cost further by leveraging different options such as S3 CloudFront for caching & offloading to reduce cost of EC2 computing, as well as Elastic Load Balancing which prepares you for massive scale, high reliability and uninterrupted growth. Another way to keep costs down is to use AWS Identity and Access Management solutions (IAM) to manage governance of your cost drivers effectively and by the right teams. Reference: <https://aws.amazon.com/startups/lean/>

**QUESTION 246**

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

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/getting-started-follow-security-best-practices-as-you-configure-your-awsresources/>

**QUESTION 247**

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

- A. Hosting applications
- B. Delivering content closer to users
- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses

E. Sending notification messages to end users

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Reference: <https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

#### QUESTION 248

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference: <https://aws.amazon.com/economics/>

#### QUESTION 249

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/s3/faqs/>

#### QUESTION 250

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2016/09/amazon-ec2-convertible-reserved-instances-and-the-reserved-instance-regional-benefit/>

**QUESTION 251**

How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Choose two.)

- A. By the time it takes for the Lambda function to execute.
- B. By the number of versions of a specific Lambda function.
- C. By the number of requests made for a given Lambda function.
- D. By the programming language that is used for the Lambda function.
- E. By the total number of Lambda functions in an AWS account.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 252**

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

**QUESTION 253**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.coalfire.com/the-coalfire-blog/march-2019/aws-trusted-advisor-for-security-compliance>

**QUESTION 254**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

**QUESTION 255**

Which of the following is a cloud architectural design principle?

- A. Scale up, not out.
- B. Loosely couple components.
- C. Build monolithic systems.
- D. Use commercial database software.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Loosely coupled architectures reduce interdependencies, so that a change or failure in a component does not cascade to other components.

Reference: [https://aws-certified-cloudpractitioner.fandom.com/wiki/1.3\\_List\\_the\\_different\\_cloud\\_architecture\\_design\\_principles](https://aws-certified-cloudpractitioner.fandom.com/wiki/1.3_List_the_different_cloud_architecture_design_principles)

**QUESTION 256**

AWS CloudFormation is designed to help the user:

- A. model and provision resources.
- B. update application code.
- C. set up data lakes.
- D. create reports for billing.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference: <https://aws.amazon.com/cloudformation/>

**QUESTION 257**

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

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudtrail/>



**QUESTION 258**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/migrate-small-sets-of-data-from-on-premises-to-amazon-s3-using-aws-sftp.html>

**QUESTION 259**

Which of the following tasks is the responsibility of AWS?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

In EC2, the AWS IaaS offering, everything from the hypervisor layer down is AWS's responsibility. A customer's poorly coded applications, misconfigured operating systems, or insecure firewall settings will not affect the hypervisor, it will only affect the customer's virtual machines running on that hypervisor.

Reference: <https://www.mindpointgroup.com/blog/the-aws-shared-responsibility-model-part-1-security-in-the-cloud/>

**QUESTION 260**

A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application. Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

- A. AWS CodeDeploy
- B. AWS Resource Access Manager
- C. AWS Elastic Beanstalk
- D. AWS CloudFormation

**Correct Answer:** C



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html>

**QUESTION 261**

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process.

What is the most appropriate purchasing option?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

**QUESTION 262**

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

Which service will facilitate private hybrid connectivity?

- A. Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway
- B. AWS Direct Connect
- C. Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
- D. AWS Web Application Firewall (AWS WAF)

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon VPC provides multiple network connectivity options for you to leverage depending on your current network designs and requirements. These connectivity options include leveraging either the internet or an AWS Direct Connect connection as the network backbone and terminating the connection into either AWS or user-managed network endpoints. Additionally, with AWS, you can choose how network routing is delivered between Amazon VPC and your networks, leveraging either AWS or user-managed network equipment and routes.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-vpc-connectivity-options/introduction.html>

**QUESTION 263**

The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

- A. Cost allocation tags
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/startups/how-to-set-aws-budget-when-paying-with-aws-credits/>

**QUESTION 264**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_passwords\\_account-policy.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html)

**QUESTION 265**

A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants to alternate to help manage cluster size, scheduling, and environment maintenance. Which AWS service meets these requirements?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ecs/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-newcards.sort-order=desc&ecs-blogs.sort-by=item.additionalFields.createdDate&ecsblogs.sort-order=desc>

**QUESTION 266**

For which auditing process does AWS have sole responsibility?

- A. AWS IAM policies
- B. Physical security
- C. Amazon S3 bucket policies
- D. AWS CloudTrail Logs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 267**

What should users do if they want to install an application in geographically isolated locations?

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Configure the application using multiple NAT gateways.

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

**QUESTION 268**

Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites
- D. Require IAM users to store their passwords in raw text
- E. Disable multi-factor authentication (MFA) for IAM users

**Correct Answer:** AB

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

**QUESTION 269**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/faqs/>

**QUESTION 270**

A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon WorkSpaces to host its internal web portal and virtual desktops for employees. What should the company do to minimize latency and ensure the best possible performance for employees?

- A. Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2.
- B. Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and eu-west-2.
- C. Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only.
- D. Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 271**

Which of the following AWS services can be used to run a self-managed database?

- A. Amazon Route 53
- B. AWS X-Ray
- C. AWS Snowmobile
- D. Amazon Elastic Compute Cloud (Amazon EC2)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://severalnines.com/news/aws-users-prefer-self-managed-databases>



#### QUESTION 272

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Elastic Load Balancing automatically distributes your incoming application traffic across all the EC2 instances that you are running. Elastic Load Balancing helps to manage incoming requests by optimally routing traffic so that no one instance is overwhelmed.

Reference: <https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html>

#### QUESTION 273

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine. Which AWS database service should the company choose?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Neptune
- D. Amazon DocumentDB (with MongoDB compatibility)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://techcrunch.com/2017/11/29/amazon-introduces-an-aws-graph-database-service-called-amazon-neptune/>

Amazon is in the middle of its AWS Re:INVENT keynote right now, and the company just announced a brand new database service. Amazon Neptune has been specifically designed for relationship graphs. So if you're thinking about building a social network feature, Neptune can help you.

The issue with traditional relational databases is that they're not made for complex social graphs with complicated lists of friends and followers. By default, you have to run demanding database queries to list the friends you have in common for instance.

So you can either throw more coal into the engine or you can optimize your database. Amazon Neptune has been optimized to handle billions of relationships and run queries within milliseconds. Neptune supports fast-failover, point-in-time recovery and Multi-AZ deployments. And you can also encrypt data at rest.

#### QUESTION 274

Which AWS service enables users to consolidate billing across multiple accounts?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### QUESTION 275

What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

- A. Rotate passwords and access keys.
- B. Remove MFA tokens.
- C. Move resources to a different AWS Region.
- D. Delete AWS CloudTrail Resources.
- E. Contact AWS Support.

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise/>

### Short description

**Note:** If you can't sign in to your account, use the [Contact Us](#) form to request help from AWS Support. The form also includes instructions on how to reset your password.

If you observe unauthorized activity within your AWS account, or you believe that an unauthorized party accessed your account, then do the following:

- Rotate and delete all root and AWS Identity and Access Management (IAM) access keys.
  - Delete any potentially unauthorized IAM users, and then change the password for all other IAM users.
  - Check your bill. Your bill can help you identify resources that you didn't create.
  - Delete any resources on your account that you didn't create, such as Amazon Elastic Compute Cloud (Amazon EC2) instances and Amazon Elastic Block Store (Amazon EBS) volumes and snapshots, and IAM users.
- Netel** Before deleting your resources, consider if you have a regulatory or legal need to investigate those resources. If so, consider keeping a few snapshots of EBS resources.
- Enable multi-factor authentication (MFA) on the root user and any IAM users with console access. Enabling MFA can help you to secure the accounts and prevent unauthorized users from logging in to accounts without a security token.
  - Verify that your account information is correct.
  - Respond to the notifications that you received from AWS Support through the AWS Support Center.

#### QUESTION 276

Who is responsible for managing IAM user access and secret keys according to the AWS shared responsibility model?

- A. IAM access and secret keys are static, so there is no need to rotate them.
- B. The customer is responsible for rotating keys.
- C. AWS will rotate the keys whenever required.
- D. The AWS Support team will rotate keys when requested by the customer.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### QUESTION 277

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 278

A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

The status of Amazon S3 bucket permissions.

Whether multi-factor authentication is enabled for the AWS account root user. If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report



D. IAM credential report

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/#Security>

**QUESTION 279**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Use Dedicated Hosts to launch Amazon EC2 instances on physical servers that are dedicated for your use. Dedicated Hosts give you additional visibility and control over how instances are placed on a physical server, and you can reliably use the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses like Windows Server and address corporate compliance and regulatory requirements.

**QUESTION 280**

Which service's PRIMARY purpose is software version control?

- A. Amazon CodeStar
- B. AWS Command Line Interface (AWS CLI)
- C. Amazon Cognito
- D. AWS CodeCommit

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately store and manage assets (such as documents, source code, and binary files) in the cloud.

Reference: <https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

**QUESTION 281**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/spot/>

**QUESTION 282**

What is the purpose of AWS Storage Gateway?

- A. It ensures on-premises data storage is 99.999999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that). AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects onpremise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference: <https://www.techradar.com/news/what-is-aws-storage-gateway>

**QUESTION 283**

As part of the AWS shared responsibility model, which of the following operational controls do users fully inherit from AWS?

- A. Security management of data center
- B. Patch management
- C. Configuration management
- D. User and access management

**Correct Answer:** A

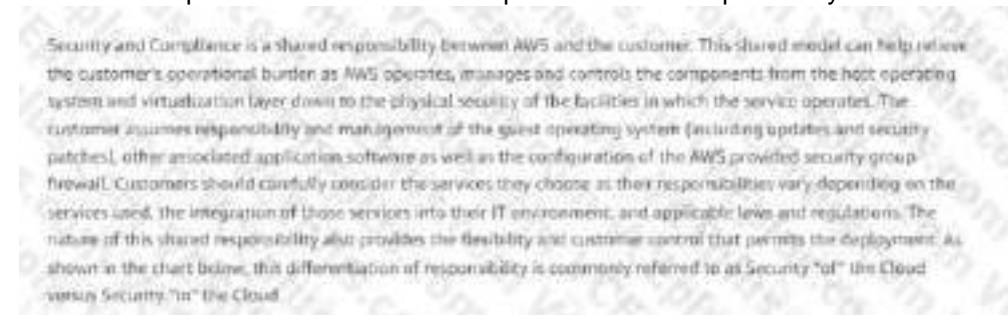
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 284**

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

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:

Reference: <https://aws.amazon.com/blogs/security/how-to-restrict-amazon-s3-bucket-access-to-a-specific-iam-role/>

**QUESTION 285**

A company wants to try a third-party ecommerce solution before deciding to use it long term.  
Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-from-awsconsole/>

**QUESTION 286**

What is an AWS Identity and Access Management (IAM) role?

- A. A user associated with an AWS resource
- B. A group associated with an AWS resource
- C. An entity that defines a set of permissions for use with an AWS resource
- D. An authentication credential associated with a multi-factor authentication (MFA) token

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely.

Using IAM, you can create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.

Reference: <https://aws.amazon.com/iam/>

**QUESTION 287**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/sqs/faqs/>

**QUESTION 288**

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

- A. Amazon EMR

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

**Correct Answer:** D

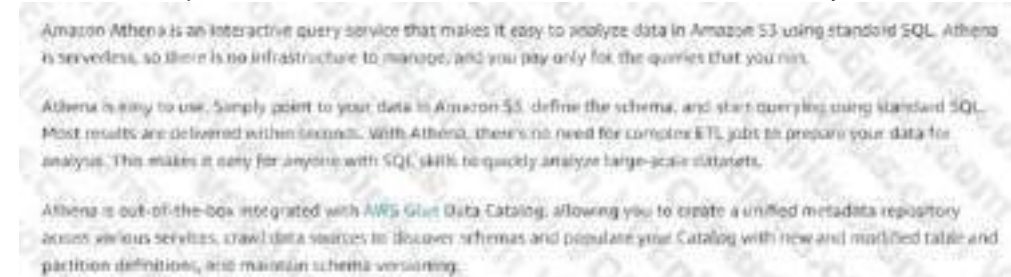
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/athena/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-newcards.sort-order=desc>



#### QUESTION 289

A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances. Which pillar of the AWS Well-Architected Framework does this action cover?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

#### QUESTION 290

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

#### QUESTION 291

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

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB

- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 292

Which task is shared between AWS and the customer, according to the AWS shared responsibility model?

- A. Physical and environmental controls
- B. Server hardware management and encryption
- C. Application security
- D. Patch management and configuration management

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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

Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.

Configuration Management – AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications. Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 293

A company wants to analyze streaming user data and respond to customer queries in real time.

Which AWS service can meet these requirements?

- A. Amazon QuickSight
- B. Amazon Redshift
- C. Amazon Kinesis Data Analytics
- D. AWS Data Pipeline

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Kinesis Data Streams is a scalable and durable real-time data streaming service that can continuously capture gigabytes of data per second from hundreds of thousands of sources. Reference: <https://aws.amazon.com/kinesis/>

#### QUESTION 294

Which service would provide network connectivity in a hybrid architecture that includes the AWS Cloud?

- A. Amazon VPC
- B. AWS Direct Connect
- C. AWS Directory Service
- D. Amazon API Gateway

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) is a logically isolated, private section of the AWS Cloud to launch resources in a virtual data center in the cloud. Amazon VPC allows you to leverage multiple Availability Zones (AZ) within a region so that you can build greater fault tolerance within your workloads. You have complete control.

Reference: <https://aws.amazon.com/blogs/publicsector/aws-networking-capabilities-gives-you-choices-for-hybrid-cloudconnectivity-but-which-service-works-best-for-your-use-case/>

**QUESTION 295**

Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)

- A. Multiple Availability Zones
- B. Performance efficiency
- C. Security
- D. Encryption usage
- E. High availability

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf) (5)

**QUESTION 296**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/best-practices-for-running-oracle-database-onaws.pdf?did=wp\\_card&trk=wp\\_card](https://d1.awsstatic.com/whitepapers/best-practices-for-running-oracle-database-onaws.pdf?did=wp_card&trk=wp_card) (06)

**QUESTION 297**

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

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon Machine Image
- C. Amazon EC2 Systems Manager
- D. Amazon AppStream 2.0

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

To use Amazon EC2, you simply:

Select a pre-configured, templated Amazon Machine Image (AMI) to get up and running immediately. Or create an AMI containing your applications, libraries, data, and associated configuration settings.

Configure security and network access on your Amazon EC2 instance.

Choose which instance type(s) you want, then start, terminate, and monitor as many instances of your AMI as needed, using the web service APIs or the variety of management tools provided. Determine whether you want to run in multiple locations, utilize static IP endpoints, or attach persistent block storage to your instances. Pay only for the resources that you actually consume, like instance-hours or data transfer. Reference: <https://aws.amazon.com/ec2/features/>

**QUESTION 298**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

**QUESTION 299**

What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/estimate-your-c/>

We created a JavaScript-based tool that allows you to calculate your monthly cost for using Amazon S3, Amazon EC2, and Amazon SQS.

This tool incorporates the latest pricing changes including the tiered pricing model for download bandwidth.

Use this tool to estimate your monthly bill, to determine your best and worst case scenarios (if you get Slashdotted, Dugg etc.), and identify areas of development to reduce your monthly costs and even compare it with other service providers who do not offer utility-style of billing (pay-as-you-go).

You can view the calculator here:


**QUESTION 300**

Compared with costs in traditional and virtualized data centers, AWS has:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.

D. lower variable costs and lower upfront costs.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/introduction-to-aws-cloud-economics-final.pdf> (10)



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#### QUESTION 301

Which of the following AWS Cloud services can be used to run a customer-managed relational database?

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon ElastiCache
- D. Amazon DynamoDB

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 302

How can a company reduce its Total Cost of Ownership (TCO) using AWS?

- A. By minimizing large capital expenditures
- B. By having no responsibility for third-party license costs
- C. By having no operational expenditures
- D. By having AWS manage applications

**Correct Answer:** A



**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS helps you reduce Total Cost of Ownership (TCO) by reducing the need to invest in large capital expenditures and providing a pay-as-you-go model that empowers you to invest in the capacity you need and use it only when the business requires it.

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 303**

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 304**

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

- A. AWS Service Health Dashboard
- B. AWS X-Ray
- C. AWS Personal Health Dashboard
- D. Amazon CloudWatch

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Personal Health Dashboard gives you a personalized view of the status of the AWS services that power your applications, enabling you to quickly see when AWS is experiencing issues that may impact you. For example, in the event of a lost EBS volume associated with one of your EC2 instances, you would gain quick visibility into the status of the specific service you are using, helping save precious time troubleshooting to determine root cause.

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

**QUESTION 305**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 306**

A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales.

Which AWS service, tool, or feature should the company use to meet this requirement?

- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer rightsizing recommendations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://calculator.s3.amazonaws.com/index.html>

#### QUESTION 307

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds.

Which AWS service will support these requirements?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-budgets/>

#### QUESTION 308

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

On-Demand Capacity Reservations are priced exactly the same as their equivalent (On-Demand) instance usage. If a Capacity Reservation is fully utilized, you only pay for instance usage and nothing towards the Capacity Reservation. If a Capacity Reservation is partially utilized, you pay for the instance usage and for the unused portion of the Capacity Reservation. Reference: <https://aws.amazon.com/ec2/pricing/on-demand/>

#### QUESTION 309

Which AWS service or feature provides an online, managed software catalog that helps users purchase and deploy thirdparty software?

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

**Correct Answer:** B

**Section:** (none)



**Explanation****Explanation/Reference:**

Explanation:

AWS Marketplace is a curated digital catalog that makes it easy for customers to find, buy, deploy, and manage the thirdparty software. Reference: <https://aws.amazon.com/marketplace/campaigns/software-procurement>

**QUESTION 310**

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 311**

Which AWS service does AWS Snowball Edge natively support?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/storage/building-a-linux-edge-computing-solution-with-aws-snowball-edge-andamazon-ec2/>

**QUESTION 312**

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

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability>

**QUESTION 313**

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS. What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.

- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

#### QUESTION 314

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

They chose Amazon DynamoDB as their key-value database.

Reference: <https://docs.aws.amazon.com/prescriptive-guidance/latest/strategy-database-migration/strategy-databasemigration.pdf>

#### QUESTION 315

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers premium services such as AWS Trusted Advisor, which provides real-time guidance to help you reduce cost, increase performance, and improve security.

Reference: <https://www.ibm.com/downloads/cas/2N40X4PQ>

#### QUESTION 316

A customer needs to run a MySQL database that easily scales.  
Which AWS service should they use?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/aurora/serverless/>

**QUESTION 317**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Quick Starts are built by AWS solutions architects and partners to help you deploy popular technologies on AWS, based on AWS best practices for security and high availability. These accelerators reduce hundreds of manual procedures into just a few steps, so you can build your production environment quickly and start using it immediately.

Reference: <https://aws.amazon.com/quickstart/?quickstart-all.sort-by=item.additionalFields.updateDate&quickstart-all.sortorder=desc>

**QUESTION 318**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The Cost & Usage Report is your one-stop-shop for accessing the most granular data about your AWS costs and usage.

You can also load your cost and usage information into Amazon Athena, Amazon Redshift, AWS QuickSight, or a tool of your choice.

Reference: <https://aws.amazon.com/aws-cost-management/>

**QUESTION 319**

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

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

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/>

**QUESTION 320**

Which AWS service is used to automate configuration management using Chef and Puppet?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/opsworks/>



#### QUESTION 321

Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency, high throughput, and redundancy?

- A. Economies of scale
- B. Security
- C. Elasticity
- D. Global reach

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

#### QUESTION 322

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 323**

A company wants to have one AWS account for the entire company and individual accounts for each department. Which AWS service should the company use to aggregate and manage all accounts?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Enterprise Support plan customers have the option to include multiple accounts in an aggregated monthly billing.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidatedbilling-support.html>

**QUESTION 324**

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

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

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 325**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/devops/aws-config-checking-for-compliance-with-new-managed-rule-options/>

**QUESTION 326**

An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted.

What is the MOST cost-effective Amazon EC2 pricing option for this application?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>

#### QUESTION 327

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

#### QUESTION 328

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://blog.clairvoyantsoft.com/true-economics-of-cloud-computing-part-1-what-it-really-means-to-be-agile-1ed14a1696a5>

#### QUESTION 329

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html>

**Infrastructure Agility:** Cloud allows companies to significantly decrease the time it takes to provision and de-provision IT infrastructure. You have the ability to start small, and scale up as needed and, if you face a scenario where you need to cut back, it's easy to make that happen. While a physical server could take days or weeks to procure and provision, a cloud server takes minutes. Using Apache Hadoop, Spark, and Hive in the cloud enables growth of data processing power in real-time. Faster time to market means faster time to revenue.

**QUESTION 330**

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.
- D. Some resources run on-premises and some run in the AWS Cloud.

**Correct Answer: D****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/hybrid/>**QUESTION 331**

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

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



The AWS Trust & Safety team can assist you when AWS resources are used to engage in the following types of abusive behavior:

- **Spam:** You are receiving unwanted emails from an AWS-owned IP address, or AWS resources are used to spam websites or forums.
- **Port scanning:** Your logs show that one or more AWS-owned IP addresses are sending packets to multiple ports on your server. You also believe this is an attempt to discover unsecured ports.
- **Denial-of-service (DoS) attacks:** Your logs show that one or more AWS-owned IP addresses are used to flood ports on your resources with packets. You also believe that this is an attempt to overwhelm or crash your server or the software running on your server.
- **Intrusion attempts:** Your logs show that one or more AWS-owned IP addresses are used to attempt to log in to your resources.

#### QUESTION 332

Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On- Demand pricing?

- A. One-year, No Upfront, Standard RI pricing
- B. One-year, All Upfront, Convertible RI pricing
- C. Three-year, All Upfront, Standard RI pricing
- D. Three-year, No Upfront, Convertible RI pricing

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

#### QUESTION 333

What are the advantages of the AWS Cloud? (Choose two.)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://data-flair.training/blogs/aws-advantages/>

#### QUESTION 334

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

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



**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/s3/faqs/>

**QUESTION 335**

Which of the following are responsibilities of the customer in the AWS Cloud? (Choose two.)

- A. Security in the cloud
- B. Configuration of AWS infrastructure devices
- C. Configuration of security groups on Amazon EC2 instances
- D. Security of the cloud
- E. Patches for the operating system of Amazon DynamoDB

**Correct Answer:** AE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 336**

Which AWS tools automatically forecast future AWS costs?

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

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

**QUESTION 337**

A characteristic of edge locations is that they:

- A. host Amazon EC2 instances closer to users.
- B. help lower latency and improve performance for users.
- C. cache frequently changing data without reaching the origin server.
- D. refresh data changes daily.

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

**QUESTION 338**

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 339

Which AWS service is an in-memory data store service?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon ElastiCache is a fully managed, in-memory caching service supporting flexible, real-time use cases. Reference:

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

#### QUESTION 340

A company has deployed several relational databases on Amazon EC2 instances. Every month, the database software vendor releases new security patches that need to be applied to the databases. What is the MOST efficient way to apply the security patches?

- A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.
- B. Enable automatic patching for the instances using the Amazon RDS console.
- C. In AWS Config, configure a rule for the instances and the required patch level.
- D. Use AWS Systems Manager to automate database patching according to a schedule.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/faqs/>

#### QUESTION 341

Which statement best describes Elastic Load Balancing?

- A. It translates a domain name into an IP address using DNS.
- B. It distributes incoming application traffic across one or more Amazon EC2 instances.
- C. It collects metrics on connected Amazon EC2 instances.
- D. It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/elasticloadbalancing/>**QUESTION 342**

Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold?

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

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>**QUESTION 343**

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

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

**Correct Answer: B****Section: (none)****Explanation****Explanation/Reference:****QUESTION 344**

A company runs its workloads on premises. The company wants to forecast the cost of running a large application on AWS. Which AWS service or tool can the company use to obtain this information?

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

**Correct Answer: D****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>**QUESTION 345**

A large organization has a single AWS account.

What are the advantages of reconfiguring the single account into multiple AWS accounts? (Choose two.)

- A. It allows for administrative isolation between different workloads.

- B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
- C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
- D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.
- E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 346**

What AWS service would be used to centrally manage AWS access across multiple accounts?

- A. AWS Service Catalog
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS Organizations

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

To improve control over your AWS environment, you can use AWS Organizations to create groups of accounts, and then attach policies to a group to ensure the correct policies are applied across the accounts without requiring custom scripts and manual processes.

Reference: <https://aws.amazon.com/organizations/>

**QUESTION 347**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/postgresql/>

**QUESTION 348**

A company has decided to migrate its production workloads to the AWS Cloud.

Which actions can help reduce operational costs as part of the migration? (Choose two.)

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 349**

Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 350**

The AWS Cloud's multiple Regions are an example of:

- A. agility.
- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 351**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d36cz9buwru1tt.cloudfront.net/AWS\\_Building\\_Fault\\_Tolerant\\_Applications.pdf](https://d36cz9buwru1tt.cloudfront.net/AWS_Building_Fault_Tolerant_Applications.pdf) (3)

**QUESTION 352**

A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections. Which AWS services can the company use to meet these requirements? (Choose two.)

- A. Amazon Connect
- B. Amazon AppStream 2.0
- C. Amazon WorkSpaces
- D. AWS Site-to-Site VPN

E. Amazon Elastic Container Service (Amazon ECS)

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/workspaces/?workspaces-blogs.sortby=item.additionalFields.createdDate&workspaces-blogs.sort-order=desc>

#### QUESTION 353

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can use Cost explorer which is part of Cost and Usage report to forecast future costs of running an application.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

#### QUESTION 354

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Direct Connect enables you to securely connect your AWS environment to your on-premises data center or office location over a standard 1 gigabit or 10 gigabit Ethernet fiber-optic connection. AWS Direct Connect offers dedicated high speed, low latency connection, which bypasses internet service providers in your network path. An AWS Direct Connect location provides access to Amazon Web Services in the region it is associated with, as well as access to other US regions. AWS Direct Connect allows you to logically partition the fiber-optic connections into multiple logical connections called Virtual Local Area Networks (VLAN). You can take advantage of these logical connections to improve security, differentiate traffic, and achieve compliance requirements.

Reference: <https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

#### QUESTION 355

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

- A. Physical access controls
- B. Data encryption
- C. Secure disposal of storage devices
- D. Environmental risk management

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 356**

Which AWS service allows users to identify the changes made to a resource over time?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Service Catalog
- D. AWS IAM

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/config/latest/developerguide/view-manage-resource.html>

**QUESTION 357**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>

**QUESTION 358**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Each Region is completely independent. Each Availability Zone is isolated, but the Availability Zones in a Region are connected through low-latency links. A Local Zone is an AWS infrastructure deployment that places select services closer to your end users. A Local Zone is an extension of a Region that is in a different location from your Region. It provides a highbandwidth backbone to the AWS infrastructure and is ideal for latency-sensitive applications, for example machine learning.

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

**QUESTION 359**

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

- A. AWS CloudTrail
- B. Amazon Inspector
- C. Amazon CloudWatch

D. VPC Flow Logs

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-system-instance-status-check.html>

**QUESTION 360**

A company needs to send time-critical messages to multiple subscribers through a push mechanism. Which AWS service should the company use?

- A. Amazon Kinesis
- B. Amazon MQ
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon Simple Notification Service (Amazon SNS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon SNS allows applications to send time-critical messages to multiple subscribers through a “push” mechanism Reference: <https://aws.amazon.com/sns/faqs/>

**QUESTION 361**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS. Reference: <https://aws.amazon.com>

**QUESTION 362**

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail
- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 363**



AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

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

#### QUESTION 364

Making frequent, small, reversible changes is a design principle of which pillar of the AWS Well-Architected Framework?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Make frequent, small, reversible changes.

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 365

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production. How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 366

What is the purpose of having an internet gateway within a VPC?

- A. To create a VPN connection to the VPC
- B. To allow communication between the VPC and the Internet
- C. To impose bandwidth constraints on internet traffic
- D. To load balance traffic from the Internet across Amazon EC2 instances

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 367**

Which AWS service or feature is used to send both text and email messages from distributed applications?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/sns/faqs/>

**QUESTION 368**

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

- A. Consumption-based pricing
- B. Perpetual licenses
- C. Economies of scale
- D. AWS Enterprise Support at no additional cost
- E. Bring-your-own-hardware model

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 369**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. While the Service Health Dashboard displays the general status of AWS services, Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources.

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

**QUESTION 370**

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users. Which AWS service will support these requirements?

- A. Amazon ElastiCache

- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible. Reference: <https://aws.amazon.com/cloudfront/faqs/>

#### QUESTION 371

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

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

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

If you decided to create service accounts (that is, accounts used for programmatic access by applications running outside of the AWS environment) and generate access keys for them, you should create a dedicated service account for each use case. This will allow you to restrict the associated policy to only the permissions needed for the particular use case, limiting the blast radius if the credentials are compromised. For example, if a monitoring tool and a release management tool both require access to your AWS environment, create two separate service accounts with two separate policies that define the minimum set of permissions for each tool.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmaticaccess/>

#### QUESTION 372

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

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

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

#### QUESTION 373

Which AWS services are eligible for a Compute Savings Plan? (Choose two.)

- A. AWS Lambda
- B. Amazon RDS
- C. Amazon VPC
- D. Amazon DynamoDB
- E. Amazon EC2

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Compute Savings Plans provide the most flexibility and help to reduce your costs by up to 66%. These plans automatically apply to EC2 instance usage regardless of instance family, size, AZ, Region, OS or tenancy, and also apply to Fargate or Lambda usage.

Reference: <https://aws.amazon.com/savingsplans/compute-pricing/>

**QUESTION 374**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/userguide/security-best-practices.html>

**QUESTION 375**

Under the shared responsibility model; which of the following areas are the customer's responsibility? (Choose two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 376**

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

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/rds/>

**QUESTION 377**

Which AWS services or features give users the ability to create a network connection between two VPCs? (Choose two.)

- A. VPC endpoints
- B. Amazon Route 53
- C. VPC peering
- D. AWS Direct Connect
- E. AWS Transit Gateway

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://docs.aws.amazon.com/vpc/latest/privatelink/vpc-endpoints.html>  
<https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

**QUESTION 378**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://www.missioncloud.com/blog/resource-the-advantages-of-running-sql-server-on-aws>

**QUESTION 379**

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.  
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

- A. EC2 key pairs
- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

**QUESTION 380**

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup

- B. Amazon Connect
- C. AWS Direct Connect
- D. AWS Storage Gateway

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whatsnew-cards.sort-order=desc>

#### QUESTION 381

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

- A. Start with a large set of permissions and remove the permissions that are not required.
- B. Use only Amazon managed policies.
- C. Start with a minimum set of permissions and grant additional permissions as necessary.
- D. Attach policies directly to each user individually.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>



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#### QUESTION 382

Which of the following are benefits of AWS Global Accelerator? (Choose two.)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/global-accelerator/faqs/>

**QUESTION 383**

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional. What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements.
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 384**

If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference: <https://aws.amazon.com/config/>

**QUESTION 385**

Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for MariaDB

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/dynamodb/>

**QUESTION 386**

Which service should a customer use to consolidate and centrally manage multiple AWS accounts?

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool



D. AWS Config

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/organizations/>



#### QUESTION 387

Which AWS service is designed to help users who want to use machine learning for natural language processing (NLP) but do not have experience in machine learning?

- A. Amazon Comprehend
- B. Amazon SageMaker
- C. AWS Deep Learning AMIs (DLAMI)
- D. Amazon Rekognition

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/comprehend/>

#### QUESTION 388

Which AWS service or component allows inbound traffic from the internet to access a VPC?

- A. Internet gateway
- B. NAT gateway
- C. AWS WAF
- D. VPC peering

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Internet\\_Gateway.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html)

An internet gateway is a horizontally scaled, redundant, and highly available VPC component that allows communication between your VPC and the internet.

An internet gateway serves two purposes: to provide a target in your VPC route tables for internet-routable traffic, and to perform network address translation (NAT) for instances that have been assigned public IPv4 addresses. For more information, see [Enable internet access](#).

An internet gateway supports IPv4 and IPv6 traffic. It does not cause availability risks or bandwidth constraints on your network traffic. There's no additional charge for having an internet gateway in your account.

#### QUESTION 389

Which AWS service providers automated backups of data by default?

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon ElastiCache for Memcached
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/backup-restore/>

#### QUESTION 390

AWS can relieve a company's IT staff of which of the following IT tasks? (Choose two.)

- A. Patching database software
- B. Storage capacity planning
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 391

Which AWS service provides the ability to host a NoSQL database in the AWS Cloud?

- A. Amazon Aurora
- B. Amazon DynamoDB

- C. Amazon RDS
- D. Amazon Redshift

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/nosql/>

**QUESTION 392**

According to the AWS shared responsibility model, what is the sole responsibility of AWS?

- A. Application security
- B. Edge location management
- C. Patch management
- D. Client-side data

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Client-side data, application security is the sole responsibility of the customer. Patch management is a shared responsibility. That leaves us with edge location management and since this out of the control of the customer, AWS is the one responsible for it.  
Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 393**

A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable. Which AWS service can facilitate this data transfer?

- A. Amazon S3 Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/servicescosts/#:~:text=Description%3A%20Snowball%20is%20a%20petabyte,transfer%20times%2C%20and%20security%20concerns>

## AWS Snowball

Amazon S3

**Description:** Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of the AWS cloud. Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns.

**How Pricing Works:** Snowball pricing has four main cost components: (1) a service fee for each job you run, (2) data transfer fees from Amazon S3, (3) the shipping costs to transport a Snowball appliance to and from your address, and (4) the number of days you keep Snowball onsite. For details on each cost component, see [AWS Snowball Pricing](#).

**Example:** Let's say you want to import 10 TB into the US-East Region. A 50 TB Snowball device would cost \$200 for the first 10 days, and \$15 days thereafter. So, the Snowball import cost for 10 TB would be a onetime \$200 (assuming 10 days or fewer). Data transfer-in would be \$0.00 (free). Additional charges including S3 requests made during the import and monthly charges for S3 Standard will apply. These charges will vary based on the number of objects and Region used. The shipping cost would be variable depending on your location.

### QUESTION 394

A database administrator is trying to determine who deleted a critical Amazon Redshift cluster. Which AWS service helps with monitoring and retaining this type of account activity?

- A. AWS CloudTrail
- B. AWS Organizations
- C. AWS Identity and Access Management (IAM)
- D. AWS Trusted Advisor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 395

A company has all of its servers in the us-east-1 Region. The company is considering the deployment of additional servers in a different Region. Which AWS tool should the company use to find pricing information for other Regions?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Purchase Order Management
- D. AWS Pricing Calculator

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-purchase-order-management/>

### QUESTION 396

Which AWS service or resource is serverless?

- A. AWS Lambda

- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://blogs.itemis.com/en/serverless-services-on-aws>

#### QUESTION 397

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor
- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/guardduty/>

#### QUESTION 398

What is an advantage of deploying an application across multiple Availability Zones?

- A. There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region.
- B. The application will have higher availability because it can withstand a service disruption in one Availability Zone.
- C. There will be better coverage as Availability Zones are geographically distant and can serve a wider area.
- D. There will be decreased application latency that will improve the user experience.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### QUESTION 399

Which of the following are advantages of AWS consolidated billing? (Choose two.)

- A. The ability to receive one bill for multiple accounts
- B. Service limits increasing by default in all accounts
- C. A fixed discount on the monthly bill
- D. Potential volume discounts, as usage in all accounts is combined
- E. The automatic extension of the master account's AWS support plan to all accounts

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:



Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 400**

Under the shared responsibility model, which of the following is a shared control between a customer and AWS?

- A. Physical controls
- B. Patch management
- C. Zone security
- D. Data center auditing

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 401**

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month. What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>

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**QUESTION 402**

An Amazon EC2 instance previously used for development is inaccessible and no longer appears in the AWS Management Console. Which AWS service should be used to determine what action made this EC2 instance inaccessible?

- A. Amazon CloudWatch Logs
- B. AWS Security Hub
- C. Amazon Inspector
- D. AWS CloudTrail

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting-launch.html>

**QUESTION 403**

Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/>

**QUESTION 404**

Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain insight into operations, and continuously improve supporting processes and procedures?

- A. Cost optimization
- B. Reliability
- C. Operational excellence
- D. Performance efficiency

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://wa.aws.amazon.com/wellarchitected/2020-07-02T19-33-23/wat.pillar.operationalExcellence.en.html#:~:text=The%20Operational%20Excellence%20pillar%20includes,procedures%20to%20deliver%20business%20value>

**QUESTION 405**

Which AWS service can a company use to create a relational database in the AWS Cloud?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon ElastiCache
- D. Amazon S3

**Correct Answer:** A

**Section:** (none)



**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

**QUESTION 406**

Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

- A. AWS Lambda
- B. Amazon DynamoDB Accelerator
- C. Amazon Route 53
- D. Amazon CloudFront

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:**

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. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services. Reference: <https://aws.amazon.com/cloudfront/>

**QUESTION 407**

Which of the following services provides on-demand access to AWS compliance reports?

- A. AWS IAM
- B. AWS Artifact
- C. Amazon GuardDuty
- D. AWS KMS

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

**QUESTION 408**

Which AWS service uses edge locations?

- A. Amazon Aurora
- B. AWS Global Accelerator
- C. Amazon Connect
- D. AWS Outposts

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/global-accelerator/>

## Benefits of AWS Global Accelerator

### Accelerate latency-sensitive applications

Your network latency is driven by the number of networks your user data needs to hop and the bandwidth available along the path to your AWS application endpoints. These network variables create opportunities for internet congestion to delay connections and lose data. AWS Global Accelerator combines advanced networking features with the dedicated AWS Global Network to improve your application network performance by up to 60%. TCP connections are terminated at the AWS Edge location closest to your users, instead of at your endpoint, accelerating data transfers globally. Once on the AWS network, automated routing directs your user traffic to the most performant AWS endpoints in Regions and/or Availability Zones. For UDP workloads, the AWS network provides the global capacity needed to avoid packet loss and jitter during traffic spikes.

#### QUESTION 409

Which of the following services could be used to deploy an application to servers running on-premises? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS OpsWorks
- C. AWS CodeDeploy
- D. AWS Batch
- E. AWS X-Ray

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/codedeploy/latest/userguide/instances-on-premises.html>



<https://aws.amazon.com/blogs/aws/opsworks-on-prem-and-existing-instances/>

#### QUESTION 410

Which of the following is an AWS best practice for managing an AWS account root user?

- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user.
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

#### **QUESTION 411**

Under the AWS shared responsibility model, AWS is responsible for which security-related task?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### **QUESTION 412**

Which AWS service provides recommendations for rightsizing AWS resources such as Amazon EC2 instances, Amazon Elastic Block Store (Amazon EBS) volumes, and Amazon RDS databases to help users reduce costs?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. AWS Service Health Dashboard
- D. Amazon Forecast

**Correct Answer: C**

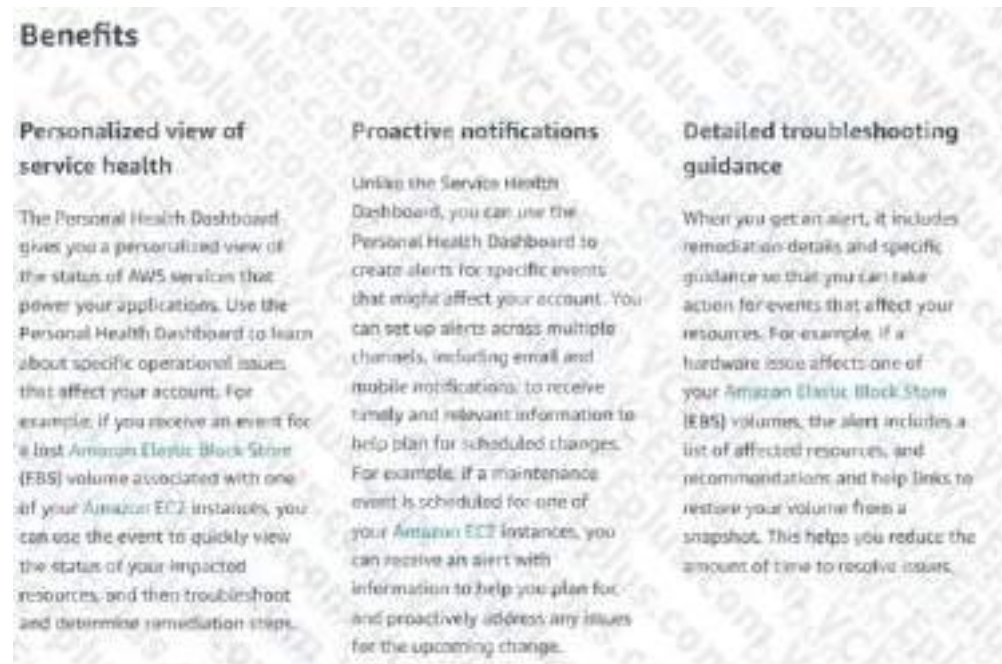
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

**QUESTION 413**

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

- A. AWS Auto Scaling for Amazon EC2 instances
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

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**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

**QUESTION 414**

Which Amazon EC2 instance pricing model can provide discounts of up to 90%?

- A. Reserved Instances
- B. On-Demand
- C. Dedicated Hosts
- D. Spot Instances

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/spot/>

**QUESTION 415**

Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

- A. AWS Config

- B. Amazon GuardDuty
- C. AWS Trusted Advisor
- D. AWS Artifact

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/artifact>



#### QUESTION 416

Which AWS service provides a simple and scalable shared file storage solution for use with Linux-based AWS and onpremises servers?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Elastic File System (Amazon EFS) provides a simple, scalable, fully managed elastic NFS file system for use with AWS Cloud services and on-premises resources. It is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files, eliminating the need to provision and manage capacity to accommodate growth.

Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads. For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

#### QUESTION 417

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)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/free/free-tier-faqs/>

#### QUESTION 418

Which of the following are components of Amazon VPC? (Choose two.)

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://subscription.packtpub.com/book/virtualization\\_and\\_cloud/9781788293723/3/ch03lvl1sec26/vpccomponents](https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lvl1sec26/vpccomponents)

#### QUESTION 419

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources. What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node .js code
- B. Penetration testing for security
- C. hardware required to support new applications
- D. Writing specific test cases for third-party applications.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/pricing/cost-optimization/>

#### QUESTION 420

Which AWS services can be used to store files? (Choose two.)

- A. Amazon S3
- B. AWS Lambda
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon SageMaker
- E. AWS Storage Gateway

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://intellipaat.com/community/58120/which-aws-services-can-be-used-to-store-files>



These AWS services can be used to store files:

- Amazon S3
- Amazon Elastic Block Store
- Amazon Elastic File System
- Amazon FSx for Lustre
- Amazon FSx for Windows File Server
- Amazon S3 Glacier
- AWS Storage Gateway

#### QUESTION 421

Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 422

Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### QUESTION 423

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management (IAM)
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:  
Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 424

Which of the following is an AWS Well-Architected Framework design principle related to reliability?

- A. Deployment to a single Availability Zone
- B. Ability to recover from failure
- C. Design for cost optimization
- D. Perform operations as code

**Correct Answer: B**

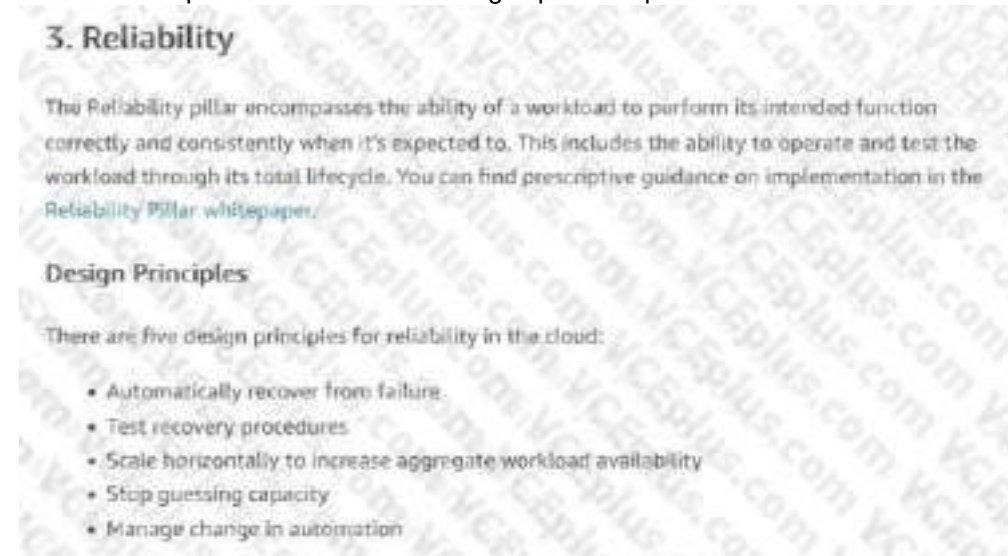
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>



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#### QUESTION 425

Which of the following provides the ability to share the cost benefits of Reserved Instances across AWS accounts?

- A. AWS Cost Explorer between AWS accounts
- B. Linked accounts and consolidated billing
- C. Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report
- D. Amazon EC2 Instance Usage Report between AWS accounts

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

The way that Reserved Instance discounts apply to accounts in an organization's consolidated billing family depends on whether Reserved Instance sharing is turned on or off for the account. By default, Reserved Instance sharing for all accounts in an organization is turned on. You can change this setting by Turning Off Reserved Instance Sharing for an account.

The capacity reservation for a Reserved Instance applies only to the account the Reserved Instance was purchased on, regardless of whether Reserved Instance sharing is turned on or off.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

#### QUESTION 426

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling

- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 427**

Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

- A. Security
- B. Reliability
- C. Elasticity
- D. High availability

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://wa.aws.amazon.com/wat.map.en.html>

**QUESTION 428**

The AWS Cost Management tools give users the ability to do which of the following? (Choose two.)

- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account.
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 429**

Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

- A. Patch management controls
- B. Awareness and training controls
- C. Physical and environmental controls
- D. Configuration management controls

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/shared-responsibility.html>

**QUESTION 430**

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

- A. AWS Snowball
- B. AWS Lambda
- C. Amazon ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/snowball/>

**QUESTION 431**

A company is moving its office and must establish an encrypted connection to AWS.  
Which AWS service will help meet this requirement?

- A. AWS VPN
- B. Amazon Route 53
- C. Amazon API Gateway
- D. Amazon Connect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/vpn/>

**QUESTION 432**

A solution that is able to support growth in users, traffic, or data size with no drop in performance aligns with which cloud architecture principle?

- A. Think parallel
- B. Implement elasticity
- C. Decouple your components
- D. Design for failure

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

**QUESTION 433**

A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups.  
Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

**QUESTION 434**

A cloud practitioner wants information on the state of an existing AWS environment compared against established best practices. Which AWS services or features should the cloud practitioner use to obtain this information? (Choose two.)

- A. AWS Artifact
- B. AWS Solutions Library
- C. AWS Trusted Advisor
- D. AWS Well-Architected Tool
- E. AWS Personal Health Dashboard

**Correct Answer:** BD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/solutions/>

<https://aws.amazon.com/well-architected-tool/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-newcards.sort-order=desc>

**QUESTION 435**

Which of the following deployment models enables customers to fully trade their capital IT expenses for operational expenses?

- A. On-premises
- B. Hybrid
- C. Cloud
- D. Platform as a service

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

The cloud allows you to trade capital expenses (such as data centers and physical servers) for variable expenses, and only pay for IT as you consume it. Plus, the variable expenses are much lower than what you would pay to do it yourself because of the economies of scale.

Reference: <https://aws.amazon.com/what-is-cloud-computing/>

**QUESTION 436**

Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. AWS Health

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 437**

Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Choose two.)

- A. AWS Storage Gateway
- B. Amazon S3
- C. Amazon Elastic File System (EFS)
- D. Amazon Glacier
- E. Amazon CloudFront

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/> <https://aws.amazon.com/cloudfront/>

**QUESTION 438**

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

**QUESTION 439**

Which of the following are AWS compute services? (Choose two.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

**QUESTION 440**

Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

- A. AWS Config
- B. AWS Elastic Beanstalk
- C. Amazon Route 53
- D. Amazon CloudFront

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time. Reference: <https://aws.amazon.com/elasticbeanstalk/>

**QUESTION 441**

A company wants to build an application for a new line of business.  
According to the AWS Well-Architected Framework, what design principles should be implemented? (Choose two.)

- A. Consolidate multiple AWS accounts into a single account.
- B. Buy and host hardware in the AWS Cloud.
- C. Decouple the AWS Cloud architecture to break up monolithic deployments.
- D. Move on-premises network hardware to VPCs.
- E. Design elasticity into the AWS Cloud design.

**Correct Answer:** DE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 442**

How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- A. By providing a consolidated view of monthly billing across multiple accounts
- B. By pooling usage across multiple accounts to achieve a pricing tier discount
- C. By automating the creation of new accounts through APIs
- D. By leveraging service control policies (SCPs) for centralized service management

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/con-bill-blended-rates.html>

**QUESTION 443**

Which of the following is a software development framework that a company can use to define cloud resources as code and provision the resources through AWS CloudFormation?

- A. AWS CLI
- B. AWS Developer Center
- C. AWS Cloud Development Kit (AWS CDK)
- D. AWS CodeStar

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
The AWS Cloud Development Kit (AWS CDK) is an open source software development framework to define your cloud application resources using familiar programming languages. Provisioning cloud applications can be a challenging process that requires you to perform manual actions, write custom scripts, maintain templates, or learn domain-specific languages. AWS CDK uses the familiarity and expressive power of programming languages for modeling your applications. It provides you with high-level components called constructs that preconfigure cloud resources with proven defaults, so you can build cloud applications without needing to be an

expert. AWS CDK provisions your resources in a safe, repeatable manner through AWS CloudFormation. Reference: <https://aws.amazon.com/cdk/>

**QUESTION 444**

What is an example of a decoupled, scalable, cloud-based application?

- A. A mail and log application that runs on a single Amazon EC2 instance
- B. A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database
- C. An Application Load Balancer, web server, and database server that support a monolithic application
- D. A legacy database server that is running on the maximum instance size supported by its license

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.ibm.com/cloud/blog/four-architecture-choices-for-application-development>

**QUESTION 445**

A developer has an AWS account and needs access to another account's test database. Which AWS service or feature can the developer use to gain access to the test database?

- A. Amazon Macie
- B. Security groups
- C. IAM roles
- D. AWS Trusted Advisor

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial\\_cross-account-with-roles.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_cross-account-with-roles.html)

**QUESTION 446**

Which AWS feature should a customer leverage to achieve high availability of an application?

- A. AWS Direct Connect
- B. Availability Zones
- C. Data centers
- D. Amazon Virtual Private Cloud (Amazon VPC)

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

This is to achieve High Availability for any web application (in this case SwiftCode) deployed in AWS. The following features will be present:

High availability across multiple instances/multiple availability zones.

Auto Scaling of instances (scale up and scale down) based on number of requests coming in Additional Security to the instances/database that are in production No impact to end users during newer version of code deployment No Impact during patching the instances Reference: <https://betsol.com/2018/01/how-to-make-high-availability-web-applications-on-amazon-web-services/>

**QUESTION 447**

A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements. Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager



- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 448**

How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

- A. They automatically add more instances across multiple AWS Regions based on global demand of the application.
- B. They automatically add or replace instances across multiple Availability Zones when the application needs it.
- C. They enable the application's static content to reside closer to end users.
- D. They are able to distribute incoming requests across a tier of web server instances.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

When the unhealthy Availability Zone returns to a healthy state, Auto Scaling automatically redistributes the application instances evenly across all of the designated Availability Zones.

Reference: <https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.html>

**QUESTION 449**

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 450**

What is the MINIMUM AWS Support plan that provides designated Technical Account Managers?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/>

**QUESTION 451**

What are the immediate benefits of using the AWS Cloud? (Choose two.)

- A. Increased IT staff.
- B. Capital expenses are replaced with variable expenses.
- C. User control of infrastructure.
- D. Increased agility.
- E. AWS holds responsibility for security in the cloud.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 452**

Which of the following services falls under the responsibility of the customer to maintain operating system configuration, security patching, and networking?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon ElastiCache
- D. AWS Fargate

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2. Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

**QUESTION 453**

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department
- D. Use AWS Organizations

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 454**

Which factors affect costs in the AWS Cloud? (Choose two.)

- A. The number of unused AWS Lambda functions
- B. The number of configured Amazon S3 buckets
- C. Inbound data transfers without acceleration
- D. Outbound data transfers without acceleration
- E. Compute resources that are currently in use

**Correct Answer:** CD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/s3/pricing/>

**QUESTION 455**

Which tool is used to forecast AWS spending?

- A. AWS Trusted Advisor
- B. AWS Organizations
- C. Cost Explorer
- D. Amazon Inspector

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

You create a forecast by selecting a future time range for your report. For more information, see [Choosing time ranges for the data that you want to view](#). The following section discusses the accuracy of the forecasts created by Cost Explorer and how to read them.

A forecast is a prediction of how much you will use AWS services over the forecast time period that you selected. This forecast is based on your past usage. You can use a forecast to estimate your AWS bill and set alarms and budgets for based on predictions. Because forecasts are predictions, the forecasted billing amounts are estimated and might differ from your actual charges for each statement period.

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**QUESTION 456**

What AWS benefit refers to a customer's ability to deploy applications that scale up and down the meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

**Correct Answer: D**

**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 457**

To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access. Which AWS service will support this requirement?

- A. VPC Flow Logs
- B. AWS WAF
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

#### QUESTION 458

Under the AWS shared responsibility model, customers are responsible for which aspects of security in the cloud? (Choose two.)

- A. Virtualization Management
- B. Hardware management
- C. Encryption management
- D. Facilities management
- E. Firewall management

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

With the basic Cloud infrastructure secured and maintained by AWS, the responsibility for what goes into the cloud falls on you. This covers both client and server side encryption and network traffic protection, security of the operating system, network, and firewall configuration, followed by application security and identity and access management.

Firewall configuration remains the responsibility of the end user, which integrates at the platform and application management level. For example, RDS utilizes security groups, which you would be responsible for configuring and implementing.

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### QUESTION 459

A company needs to perform a one-time migration of 40TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity.

Which AWS service will meet these requirements?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS Storage Gateway
- D. Amazon S3 Transfer Acceleration

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Snowball is better for 40TB transfer. It will make transfer while keeping the costs at minimum. With 100 mbps, it will be quick.

#### QUESTION 460

What will help a company perform a cost benefit analysis of migrating to the AWS Cloud?

- A. Cost Explorer
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. AWS Trusted Advisor

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
AWS TCO calculators allow you to estimate the cost savings when using AWS and provide a detailed set of reports that can be used in executive presentations. The calculators also give you the option to modify assumptions that best meet your business needs.

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 461**

Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/artifact/>

**QUESTION 462**

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.  
Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/redshift/faqs/>

**QUESTION 463**

What is the lowest-cost, durable storage option for retaining database backups for immediate retrieval?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EC2 Instance Store

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 464**

Which is a recommended pattern for designing a highly available architecture on AWS?

- A. Ensure that components have low-latency network connectivity.
- B. Run enough Amazon EC2 instances to operate at peak load.
- C. Ensure that the application is designed to accommodate failure of any single component.
- D. Use a monolithic application that handles all operations.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 465

What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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#### QUESTION 466

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/console\\_controlling-access.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html)

<https://aws.amazon.com/iam/>

#### QUESTION 467

Under the AWS shared responsibility model, which of the following activities are the customer's responsibility? (Choose two.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

**Correct Answer:** BD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 468**

Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference: <https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-databaseand-networking-services/>

**QUESTION 469**

Which AWS service or feature can be used to prevent SQL injection attacks?

- A. Security groups
- B. Network ACLs
- C. AWS WAF
- D. IAM policy

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/waf/latest/developerguide/classic-web-acl-sql-conditions.html>

**QUESTION 470**

Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources? (Choose two.)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

**Correct Answer: AD**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/directconnect/>

<https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-onpremises-resources/>

**QUESTION 471**



Which AWS benefit is demonstrated by on-demand technology services that enable companies to replace upfront fixed expenses with variable expenses?

- A. High availability
- B. Economies of scale
- C. Pay-as-you-go pricing
- D. Global reach

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>



#### QUESTION 472

A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center. Which AWS services or resources should the company use? (Choose two.)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/worklink/> <https://aws.amazon.com/outposts/>

#### QUESTION 473

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 474**

Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Choose two.)

- A. There are more AWS Regions than Availability Zones.
- B. There are more edge locations than AWS Regions.
- C. An edge location is an Availability Zone.
- D. There are more AWS Regions than edge locations.
- E. There are more Availability Zones than AWS Regions.

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 475**

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 476**

The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing
- B. the AWS global infrastructure
- C. economies of scale
- D. reserved storage pricing

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 477**

Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 478**

What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty practice areas?

- A. AWS Enterprise Support
- B. AWS Solutions Architects
- C. AWS Professional Services
- D. AWS Account Managers

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/professional-services/>

**QUESTION 479**

A company plans to store sensitive data in an Amazon S3 bucket. Which task is the responsibility of AWS?

- A. Activate encryption at rest for the data.
- B. Provide security for the physical infrastructure.
- C. Train the company's employees about cloud security.
- D. Remove personally identifiable information (PII) from the data.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon S3 can often house sensitive and confidential information. To help secure your data within Amazon S3, you should be using AWS Key Management Service (AWS KMS) with server-side encryption at rest for Amazon S3. It is also important that you secure the S3 buckets so that you only allow access to the developers and users who require that access.

Reference: <https://aws.amazon.com/blogs/security/strengthen-the-security-of-sensitive-data-stored-in-amazon-s3-by-usingadditional-aws-services/>

**QUESTION 480**

Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 481**

A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported for management review. Which AWS service or feature should be used to accomplish these task?

- A. Cost Explorer

- B. Amazon QuickSight
- C. AWS Pricing Calculator
- D. AWS Budgets

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

#### QUESTION 482

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting. Reference: <https://aws.amazon.com/cloudtrail/>

#### QUESTION 483

A system in the AWS Cloud is designed to withstand the failure of one or more components. What is this an example of?

- A. Elasticity
- B. High Availability
- C. Scalability
- D. Agility

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://wa.aws.amazon.com/wat.question.REL\\_7.en.html](https://wa.aws.amazon.com/wat.question.REL_7.en.html)

#### QUESTION 484

Which Amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/s3/storageclasses/#:~:text=S3%20Glacier%20Deep%20Archive%20is,or%20twice%20in%20a%20year>

**QUESTION 485**

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scalingdigital-course/>

**QUESTION 486**

Which of the following is a fast and reliable NoSQL database service?

- A. Amazon Redshift
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon S3

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/dynamodb/>

**QUESTION 487**

An application is receiving SQL injection attacks from multiple external resources.  
Which AWS service or feature can help automate mitigation against these attacks?

- A. AWS WAF
- B. Security groups
- C. Elastic Load Balancer
- D. Network ACL

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/waf/latest/developerguide/waf-rule-statement-type-sqli-match.html>

**QUESTION 488**

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.  
Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances

- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 489

What feature of Amazon RDS helps to create globally redundant databases?

- A. Snapshots
- B. Automatic patching and updating
- C. Cross-Region read replicas
- D. Provisioned IOPS

**Correct Answer:** C

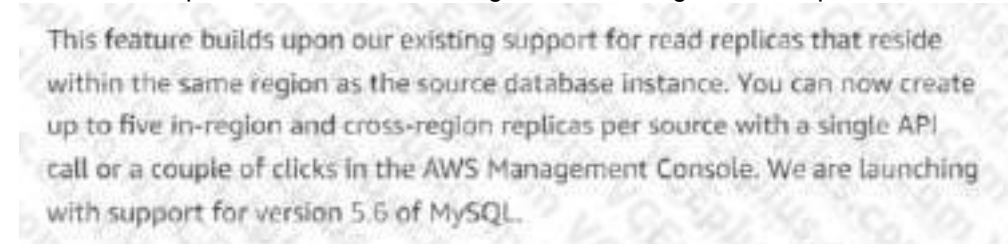
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/cross-region-read-replicas-for-amazon-rds-for-mysql/>



#### QUESTION 490

A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.
- D. AWS Organizations.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### QUESTION 491

A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings. Which EC2 instance pricing model should the company select?

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances

D. Dedicated Hosts

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 492**

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market. Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility
- D. Reliability

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/devops/partner-solutions/>

**QUESTION 493**

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

- A. AWS Senior Support Engineers
- B. AWS Technical Account Managers
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/faqs/>

**QUESTION 494**

What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 495**



When architecting cloud applications, which of the following are a key design principle?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Cloud services main proposition is to provide elasticity through horizontal scaling. It's already there. As for using largest instance possible, it is not a design principle that helps cloud applications in anyway. Scrum development process is not related to architecting. Therefore, a key principle is to provision your application for on-demand capacity. Peak loads is something that cloud applications experience everyday. Peak load management should be a necessary part of cloud application design principle.

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

#### QUESTION 496

What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon EC2) instance security?

- A. Act as a virtual firewall for the Amazon EC2 instance.
- B. Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
- C. Provide DDoS protection with AWS Shield.
- D. Use Amazon CloudFront to protect the Amazon EC2 instance.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Security Groups act like a firewall for your Amazon EC2 instances controlling both inbound and outbound traffic. When you launch an instance on Amazon EC2, you need to assign it to a particular security group.

After that, you can set up ports and protocols, which remain open for users and computers over the internet.

AWS Security Groups are very flexible. You can use the default security group and still customize it according to your liking (although we don't recommend this practice because groups should be named according to their purpose.) Or you can create a security group that you want for your specific applications. To do this, you can write the corresponding code or use the Amazon EC2 console to make the process easier.

Reference: <https://www.threatstack.com/blog/aws-security-groups-what-they-are-and-how-to-get-the-most-out-of-them>

#### QUESTION 497

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

#### QUESTION 498

According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda

- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibilitymodel/#:~:text=Customers%20are%20responsible%20for%20managing,also%20extends%20to%20IT%20controls>

#### QUESTION 499

Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudwatch/features/>

#### QUESTION 500

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 501

Which AWS Cloud service provides performance recommendations for an AWS account?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. AWS CloudTrail

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recommendations.html>

**QUESTION 502**

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.  
What is the MOST cost-effective pricing model for this workload?

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

On-demand instances are useful for running stateful workloads without making a long-term commitment, but if your workloads are stateless or can tolerate shorter run cycles, there's a more cost-effective instance type called a Spot Instance.

Reference: <https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

**QUESTION 503**

Which of the following are features of Amazon CloudWatch Logs? (Choose two.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)
- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 504**

A company hosts an application on multiple Amazon EC2 instances. The application uses Amazon Simple Notification Service (Amazon SNS) to send messages.  
Which AWS service or feature will give the application permission to access required AWS services?

- A. AWS Certificate Manager (ACM)
- B. IAM roles
- C. AWS Security Hub
- D. Amazon GuardDuty

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.

Reference: <https://aws.amazon.com/iam/faqs/>

**QUESTION 505**

Which AWS service offers persistent storage for a file system?

- A. Amazon S3

- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 506

Access keys in AWS Identity and Access Management (IAM) are used to:

- A. log in to the AWS Management Console.
- B. make programmatic calls to AWS from AWS APIs.
- C. log in to Amazon EC2 instances.
- D. authenticate to AWS CodeCommit repositories.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

#### QUESTION 507

Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Support for monitoring the health of each service independently, as health checks are defined at the target group level and many CloudWatch metrics are reported at the target group level. Attaching a target group to an Auto Scaling group enables you to scale each service dynamically based on demand.

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

#### QUESTION 508

What is an Availability Zone?

- A. A location where users can deploy compute, storage, database, and other select AWS services where no AWS Region currently exists.
- B. One or more discrete data centers with redundant power, networking, and connectivity
- C. One or more clusters of servers where new workloads can be deployed
- D. A fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to users globally

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Availability Zones consist of one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities.  
Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

**QUESTION 509**

The pay-as-you-go pricing model for AWS services:

- A. reduces capital expenditures.
- B. requires payment up front for AWS services.
- C. is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.
- D. reduces operational expenditures.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.10thmagnitude.com/opex-vs-capex-the-real-cloud-computing-cost-advantage/>

**QUESTION 510**

A customer is deploying a new application and needs to choose an AWS Region.  
Which of the following factors could influence the customer's decision? (Choose two.)

- A. Reduced latency to users
- B. The application's presentation in the local language
- C. Data sovereignty compliance
- D. Cooling costs in hotter climates
- E. Proximity to the customer's office for on-site visits

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 511**

What should a user do to deploy an application in geographically separate locations?

- A. Deploy the application in different placement groups.
- B. Deploy the application to a VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Deploy the application by using Amazon CloudFront.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

**QUESTION 512**

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon CloudWatch

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 513**

Which AWS tools assist with estimating costs? (Choose three.)

- A. Detailed billing report
- B. Cost allocation tags
- C. AWS Simple Monthly Calculator
- D. AWS Total Cost of Ownership (TCO) Calculator
- E. Cost Estimator

**Correct Answer: BCD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 514**

What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

- A. Less staff time is required to deploy new workloads.
- B. Increased time to market for new application features.
- C. Higher acquisition costs to support peak workloads.
- D. Increased productivity for application development teams.
- E. A decrease in the average server CPU utilization.

**Correct Answer: DE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://pages.awscloud.com/rs/112-TZM-766/images/GEN\\_windows-on-aws-it-staff-productivity-idc-minireport\\_Sep-2019.pdf](https://pages.awscloud.com/rs/112-TZM-766/images/GEN_windows-on-aws-it-staff-productivity-idc-minireport_Sep-2019.pdf)

**QUESTION 515**

A company will be moving from an on-premises data center to the AWS Cloud. What would be one financial difference after the move?

- A. Moving from variable operational expense (opex) to upfront capital expense (capex).
- B. Moving from upfront capital expense (capex) to variable capital expense (capex).
- C. Moving from upfront capital expense (capex) to variable operational expense (opex).
- D. Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex).

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 516**

Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- A. Amazon Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic Block Storage (Amazon EBS)

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to simplify storage management and reduce costs for key hybrid cloud storage use cases. These include moving tape backups to the cloud, reducing on-premises storage with cloud-backed file shares, providing low latency access to data in AWS for on-premises applications, as well as various migration, archiving, processing, and disaster recovery use cases.

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whatsnew-cards.sort-order=desc>

**QUESTION 517**

Which AWS service or feature allows a user to set up consolidated billing?

- A. AWS Billing Management Console
- B. AWS Organizations
- C. AWS Cost and Usage Report
- D. WAS Systems Manager

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 518**

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements. How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.



**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html>

**QUESTION 519**

Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 520**

Which of the following AWS services provide compute resources? (Choose two.)

- A. AWS Lambda
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS CodeDeploy
- D. Amazon Glacier
- E. AWS Organizations

**Correct Answer:** AB  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

**QUESTION 521**

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 522**

A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances. What pricing model will minimize cost while ensuring that compute resources remain available?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

#### QUESTION 523

According to the AWS shared responsibility model, which of the following is the responsibility of AWS?

- A. Data encryption in transit
- B. Firmware updates on hardware
- C. Operating system patching on Amazon EC2 instances
- D. Data encryption at rest

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 524

A company hosts its website on Amazon EC2 instances. The company needs to ensure that the website reaches a global audience and provides minimum latency to users. Which AWS service should the company use to meet these requirements?

- A. Amazon Route 53
- B. Amazon CloudFront
- C. Elastic Load Balancing
- D. AWS Lambda

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/route53/faqs/>

#### QUESTION 525

According to best practices, how should an application be designed to run in the AWS Cloud?

- A. Use tightly coupled components.
- B. Use loosely coupled components.
- C. Use infrequently coupled components.
- D. Use frequently coupled components.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

**QUESTION 526**

Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

- A. AWS CloudFormation
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. Amazon Pinpoint

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

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.

CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services. Reference: <https://aws.amazon.com/cloudfront/>

**QUESTION 527**

Which AWS services should be used for read/write of constantly changing data? (Choose two.)

- A. Amazon Glacier
- B. Amazon RDS
- C. AWS Snowball
- D. Amazon Redshift
- E. Amazon EFS

**Correct Answer: BE**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 528**

A company is designing an application hosted in a single AWS Region serving end-users spread across the world. The company wants to provide the end-users low latency access to the application data. Which of the following services will help fulfill this requirement?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon Route 53 global DNS
- D. Amazon Simple Storage Service (Amazon S3) transfer acceleration

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Use AWS Local Zones to deploy workloads closer to your end-users for low-latency requirements. AWS Local Zones have their own connection to the internet and support AWS Direct Connect, so resources created in the Local Zone can serve local end-users with very low-latency communications. Reference: <https://aws.amazon.com/about-aws/global-infrastructure/localzones/faqs/>

**QUESTION 529**

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling

- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/category/auto-scaling/>

#### QUESTION 530

A company needs to plan, schedule, and run hundreds of thousands of computing jobs on AWS. Which AWS service can the company use to meet this requirement?

- A. AWS Step Functions
- B. AWS Service Catalog
- C. Amazon Simple Queue Service (Amazon SQS)
- D. AWS Batch

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/batch/>

#### QUESTION 531

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 532

A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs). Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Choose two.)

- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 533**

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3. Which AWS service can meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 534**

Which of the following describes a security best practice that can be implemented using AWS IAM?

- A. Disable AWS Management Console access for all users
- B. Generate secret keys for every IAM user
- C. Grant permissions to users who are required to perform a given task only
- D. Store AWS credentials within Amazon EC2 instances

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/>

**QUESTION 535**

When a company provisions web servers in multiple AWS Regions, what is being increased?

- A. Coupling
- B. Availability
- C. Security
- D. Durability

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

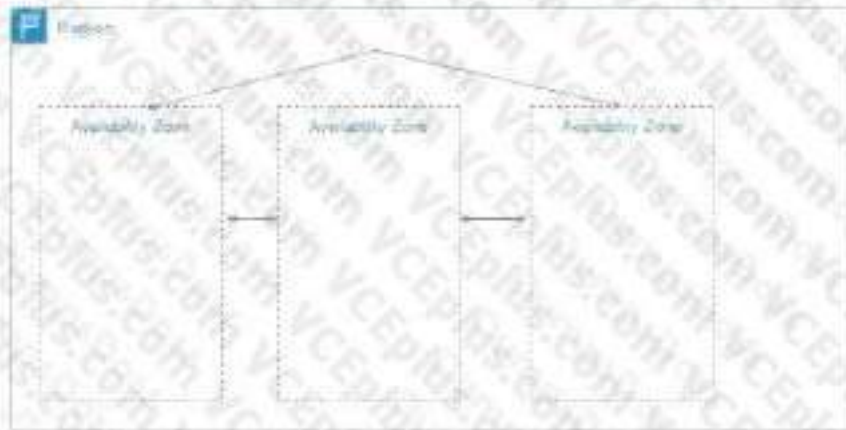
Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

## Availability Zones

Each Region has multiple, isolated locations known as *Availability Zones*. When you launch an instance, you can select an Availability Zone or let us choose one for you. If you distribute your instances across multiple Availability Zones and one instance fails, you can design your application so that an instance in another Availability Zone can handle requests.

The following diagram illustrates multiple Availability Zones in an AWS Region.



VCEUp

### QUESTION 536

Which AWS services can be used to gather information about AWS account activity? (Choose two.)

- A. Amazon CloudFront
- B. AWS Cloud9
- C. AWS CloudTrail
- D. AWS CloudHSM
- E. Amazon CloudWatch

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data. Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

Reference: <https://aws.amazon.com/solutions/real-time-insights-account-activity/>

### QUESTION 537

Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. On-Demand Instances
- B. Standard Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-fleet.html>



#### QUESTION 538

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.
- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 539

When using Amazon RDS, what is the customer responsible for?

- A. Patching and maintenance of the underlying operating system.
- B. Managing automatic backups of the database.
- C. Controlling network access through security groups.
- D. Replacing failed instances in the event of a hardware failure.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 540

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software. Which AWS service can be used to accomplish this?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SQLtoNoSQL.html>

**QUESTION 541**

A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet. What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-instance-access-s3-bucket/>

**QUESTION 542**

A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 543**

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A. IAM policies
- B. Server-side encryption
- C. Amazon GuardDuty
- D. Client-side encryption

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/protecting-data-at-rest.html>

**QUESTION 544**

A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in a various AWS accounts that it wants to interconnect.

Which AWS service or feature should the company use to help simplify management and reduce operational costs?

- A. VPC endpoint
- B. AWS Direct Connect
- C. AWS Transit Gateway
- D. VPC peering

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf> (9)

#### QUESTION 545

A user has a stateless and restartable application that will run on an Amazon EC2 instance for 2 hours at a time.

Which purchase option is the MOST cost-effective?

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Moreover, you can easily combine Spot Instances with On-Demand, RIs and Savings Plans Instances to further optimize workload cost with performance. Due to the operating scale of AWS, Spot Instances can offer the scale and cost savings to run hyper-scale workloads. You also have the option to hibernate, stop or terminate your Spot Instances when EC2 reclaims the capacity back with twominutes of notice.

Reference: [https://aws.amazon.com/ec2/spot/?cards.sort-](https://aws.amazon.com/ec2/spot/?cards.sort-by=item.additionalFields.startDateTime&cards.sortorder=asc&trk=ps_a134p000006vwFPAAY&trkCampaign=acq_paid_search_brand&sc_channel=PS&sc_campaign=acquisition_ASEAN&sc_publisher=Google&sc_category=Cloud%20Computing&sc_country=ASEAN&sc_geo=APAC&sc_outcome=acq&sc_detail=ec2%20spot%20instances&sc_content=EC2%20Spot_e&sc_matchtype=e&sc_segment=517700822327&sc_medium=ACQ-P|PSGO|Brand|Desktop|SU|Cloud%20Computing|EC2%20Spot|ASEAN|EN|Text&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances&ef_id=Cj0KCQiAzfuNBhCGARIsAD1nu--rrLgulJXXtzDDkBFm-I3G2AYRb_2iA6srPG19NVPc3eRAuPGcaAipgEALw_wcB:G:s&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances)

[by=item.additionalFields.startDateTime&cards.sortorder=asc&trk=ps\\_a134p000006vwFPAAY&trkCampaign=acq\\_paid\\_search\\_brand&sc\\_channel=PS&sc\\_campaign=acquisition\\_ASEAN&sc\\_publisher=Google&sc\\_category=Cloud%20Computing&sc\\_country=ASEAN&sc\\_geo=APAC&sc\\_outcome=acq&sc\\_detail=ec2%20spot%20instances&sc\\_content=EC2%20Spot\\_e&sc\\_matchtype=e&sc\\_segment=517700822327&sc\\_medium=ACQ-P|PSGO|Brand|Desktop|SU|Cloud%20Computing|EC2%20Spot|ASEAN|EN|Text&s\\_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances&ef\\_id=Cj0KCQiAzfuNBhCGARIsAD1nu--rrLgulJXXtzDDkBFm-I3G2AYRb\\_2iA6srPG19NVPc3eRAuPGcaAipgEALw\\_wcB:G:s&s\\_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances](https://aws.amazon.com/ec2/spot/?cards.sort-by=item.additionalFields.startDateTime&cards.sortorder=asc&trk=ps_a134p000006vwFPAAY&trkCampaign=acq_paid_search_brand&sc_channel=PS&sc_campaign=acquisition_ASEAN&sc_publisher=Google&sc_category=Cloud%20Computing&sc_country=ASEAN&sc_geo=APAC&sc_outcome=acq&sc_detail=ec2%20spot%20instances&sc_content=EC2%20Spot_e&sc_matchtype=e&sc_segment=517700822327&sc_medium=ACQ-P|PSGO|Brand|Desktop|SU|Cloud%20Computing|EC2%20Spot|ASEAN|EN|Text&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances&ef_id=Cj0KCQiAzfuNBhCGARIsAD1nu--rrLgulJXXtzDDkBFm-I3G2AYRb_2iA6srPG19NVPc3eRAuPGcaAipgEALw_wcB:G:s&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances)

#### QUESTION 546

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail.

Which AWS service will provide this capability?

- A. AWS Secrets Manager
- B. AWS Systems Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Certificate Manager

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awscloudtrail/latest/userguide/data-protection.html>

#### QUESTION 547

Which AWS service should be used for long-term, low-cost storage of data backups?

- A. Amazon RDS

- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup.

Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.

Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases. Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from tamper proof physical devices. Similarly, Elastic block storage offers persistent block storage volumes for EC2 instances. Reference:

<https://aws.amazon.com/backup-restore/services/>

#### QUESTION 548

AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 549

A retail company wants to provision only the necessary amount of resources to handle the current demand.

Which cloud benefit is the company trying to achieve with this goal?

- A. Reliability
- B. Global reach
- C. Scalability
- D. High availability

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### QUESTION 550

A company wants to move its data center to the AWS Cloud. Technology leadership needs to develop a business case that includes the most cost-effective deployment and purchasing options.

Which AWS service or features supports this task with the LEAST amount of operational overhead?

- A. AWS Migration Evaluator
- B. AWS Application Discovery Service
- C. AWS Migration Hub
- D. AWS Server Migration Service (AWS SMS)

**Correct Answer:** A

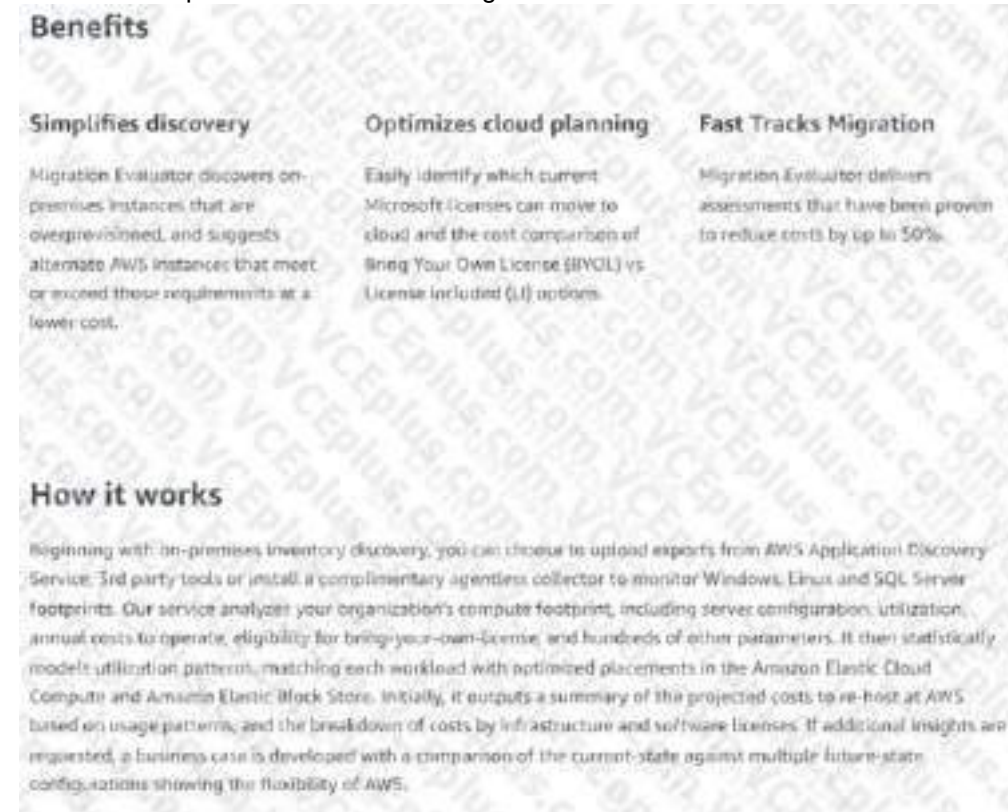
**Section:** (none)

## Explanation

### Explanation/Reference:

Explanation:

Reference: <https://aws.amazon.com/migration-evaluator/>



### QUESTION 551

What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

**Correct Answer: A**

**Section: (none)**

**Explanation**

### Explanation/Reference:

Explanation:

Reference:

<https://aws.amazon.com/compliance/faq/#:~:text=AWS%20Artifact%20%E2%80%93%20AWS%20Artifact%20is,reports%20and%20select%20online%20agreements>

### 1. WHAT IS THE BEST WAY TO COMPLETE MY ANNUAL VENDOR/SUPPLIER/DUE-DILIGENCE QUESTIONNAIRE OF AWS?

In the event that you need assistance to complete a questionnaire to document AWS security and compliance positions, AWS has a recommended approach designed to provide you with the resources you need to answer your security and compliance questions in the context of the cloud and AWS's business model. The most frequently used resources to complete security and compliance questionnaires are:

- **AWS Artifact** – AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) attestation of compliance, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

#### QUESTION 552

How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Choose two.)

- A. Users can take advantage of managed services on AWS.
- B. Users can outsource operating system patching to the AWS Support team.
- C. AWS Professional Services will upgrade instances to the latest operating system versions.
- D. Users have the ability to use license-included Amazon EC2 instances.
- E. Users can take advantage of AWS Systems Manager features.

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 553

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf>(11)

#### QUESTION 554

Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

**Correct Answer:** CE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmaticaccess/>

**QUESTION 555**

An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting. Which AWS service should the administrator use to address these concerns?

- A. AWS WAF
- B. Amazon VPC
- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/waf-block-common-attacks/>

**QUESTION 556**

Which AWS feature grants temporary access to specific AWS resources?

- A. AWS IAM Access Analyzer
- B. Service control policies (SCPs)
- C. Access control lists (ACLs)
- D. IAM roles

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_temp\\_use-resources.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_use-resources.html)



## Using temporary credentials in Amazon EC2 instances

If you want to run AWS CLI commands or code inside an EC2 instance, the recommended way to get credentials is to use roles for Amazon EC2. You create an IAM role that specifies the permissions that you want to grant to applications that run on the EC2 instances. When you launch the instance, you associate the role with the instance.

Applications, AWS CLI, and Tools for Windows PowerShell commands that run on the instance can then get automatic temporary security credentials from the instance metadata. You do not have to explicitly get the temporary security credentials. The AWS SDKs, AWS CLI, and Tools for Windows PowerShell automatically get the credentials from the EC2 instance metadata service and use them. The temporary credentials have the permissions that you define for the role that is associated with the instance.

For more information and for examples, see the following:

- Using IAM Roles to Grant Access to AWS Resources on Amazon Elastic Compute Cloud — AWS SDK for Java
- Granting Access Using an IAM Role — AWS SDK for .NET
- Creating a Role — AWS SDK for Ruby

### QUESTION 557

Which AWS service can be used to manually launch instances based on resource requirements?

- A. Amazon EBS
- B. Amazon S3
- C. Amazon EC2
- D. Amazon ECS

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 558

Which AWS service should be used to migrate a company's on-premises MySQL database to Amazon RDS?

- A. AWS Direct Connect
- B. AWS Server Migration Service (AWS SMS)
- C. AWS Database Migration Service (AWS DMS)
- D. AWS Schema Conversion Tool (AWS SCT)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/migrate-mysql-rds-dms/>

### QUESTION 559

Which tool can be used to identify scheduled changes to the AWS infrastructure?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. Billing Dashboard
- D. AWS Config

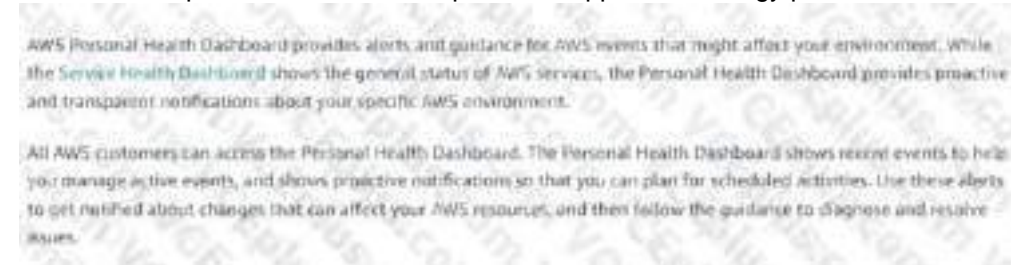


**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>



**QUESTION 560**

A company wants to reduce the physical compute footprint that developers use to run code. Which service would meet that need by enabling serverless architectures?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. AWS Lambda
- C. Amazon DynamoDB
- D. AWS CodeCommit

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

AWS Lambda is an integral part of coding on AWS. It reduces physical compute footprint by utilizing aws cloud services to run code.

**QUESTION 561**

Which of the following is an important architectural design principle when designing cloud applications?

- A. Use multiple Availability Zones.
- B. Use tightly coupled components.
- C. Use open source software.
- D. Provision extra capacity.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Data Center resilience is practiced through Availability Zones across data centers that reduce the impact of failures.

Fault isolation improvement can be made to traditional horizontal scaling by sharding (a method of grouping instances into groups called shards, instead of sending the traffic from all users to every node like in the traditional IT structure.)

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

**QUESTION 562**

A company has a 500 TB image repository that needs to be transported to AWS for processing. Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN

D. Amazon S3

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>

**QUESTION 563**

Which AWS service will help a company identify the user who deleted an Amazon EC2 instance yesterday?

- A. Amazon CloudWatch
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Amazon Inspector

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 564**

In which scenario should Amazon EC2 Spot Instances be used?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-leveraging-ec2-spot-instances/spot-instanceinterruptions.html>

**QUESTION 565**

Which of the following is the customer's responsibility under the AWS shared responsibility model?

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 566**

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### QUESTION 567

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

#### QUESTION 568

Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

- A. Conduct penetration testing using Amazon Inspector, and then notify AWS support.
- B. Request and wait for approval from the customer's internal security team, and then conduct testing.
- C. Notify AWS support, and then conduct testing immediately.
- D. Request and wait for approval from AWS support, and then conduct testing.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS customers are welcome to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for 8 services. Reference: <https://aws.amazon.com/security/penetration-testing/>

#### QUESTION 569

What is an example of high availability in the AWS Cloud?

- A. Consulting AWS technical support at any time day or night
- B. Ensuring an application remains accessible, even if a resource fails
- C. Making any AWS service available for use by paying on demand
- D. Deploying in any part of the world using AWS Regions

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

**QUESTION 570**

A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources. What combination of actions will enable the company to accomplish this goal? (Choose two.)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

**Correct Answer:** BD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

**QUESTION 571**

Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities? (Choose two.)

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

**Correct Answer:** CE

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 572**

Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

**QUESTION 573**

How does AWS shorten the time to provision IT resources?

- A. It supplies an online IT ticketing platform for resource requests.
- B. It supports automatic code validation services.
- C. It provides the ability to programmatically provision existing resources.
- D. It automates the resource request process from a company's IT vendor list.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 574

Under the AWS shared responsibility model, the customer manages which of the following? (Choose two.)

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

#### QUESTION 575

Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

- A. AWS Direct Connect
- B. VPC peering
- C. AWS VPN
- D. Amazon Route 53

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.stratoscale.com/blog/cloud/build-secure-tunnel-on-prem-data-center-amazoncloud/#:~:text=AWS%20Direct%20Connect%20allows%20you,that%20provide%20connectivity%20to%20AWS.>

#### QUESTION 576

Which AWS service or feature can be used to find availability status information on all AWS services?

- A. AWS Personal Health Dashboard
- B. AWS CloudTrail
- C. AWS Service Health Dashboard
- D. Amazon CloudWatch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://status.aws.amazon.com/>

**QUESTION 577**

A company has multiple departments. Each department uses its own AWS account.  
Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

- A. Amazon Forecast
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Marketplace

**Correct Answer: C**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 578**

An ecommerce company recently started using the AWS Cloud.  
Which security-related tasks are the company's responsibility? (Choose two.)

- A. Restrict who is allowed physical access to the hosts that run the company's Amazon EC2 instances.
- B. Install security patches on Amazon EC2 Linux instances.
- C. Choose to encrypt data at rest that is stored on Amazon S3.
- D. Wipe Amazon Elastic Block Store (Amazon EBS) volumes clean before they are decommissioned.
- E. Conduct database patching for Amazon RDS instances.

**Correct Answer: CE**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: <https://docs.aws.amazon.com/AmazonS3/latest/userguide/UsingEncryption.html>  
<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/rds-custom.html>

**QUESTION 579**

Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

**Correct Answer: B**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: <https://aws.amazon.com/about-aws/global-infrastructure/>

**QUESTION 580**

A company previously lost data that was stored in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration.  
Which AWS service should the company use to meet these requirements?

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. CloudEndure Disaster Recovery
- D. AWS Backup

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/prescriptive-guidance/latest/backup-recovery/backup-recovery.pdf> (35)

#### QUESTION 581

What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>

#### QUESTION 582

How does AWS charge for AWS Lambda?

- A. Users bid on the maximum price they are willing to pay per hour.
- B. Users choose a 1-, 3- or 5-year upfront payment term.
- C. Users pay for the required permanent storage on a file system or in a database.
- D. Users pay based on the number of requests and consumed compute resources.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Lambda is charging its users by the number of requests for their functions and by the duration, which is the time the code needs to execute. When code starts running in response to an event, AWS Lambda counts a request. It will charge the total number of requests across all of the functions used. Duration is calculated by the time when your code started executing until it returns or until it is terminated, rounded up near to 100ms. The AWS Lambda pricing depends on the amount of memory that the user used to allocate to the function. Reference: <https://dashbird.io/blog/aws-lambda-pricing-model-explained/>

#### QUESTION 583

Which of the following security-related services does AWS offer? (Choose two.)

- A. Multi-factor authentication physical tokens
- B. AWS Trusted Advisor security checks
- C. Data encryption
- D. Automated penetration testing
- E. Amazon S3 copyrighted content detection

**Correct Answer:** BC

**Section:** (none)



**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/security/>**QUESTION 584**

Which AWS service or tool helps identify underutilized Amazon EC2 instances and idle Amazon RDS DB instances at no additional charge?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Trusted Advisor

**Correct Answer: D****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>**QUESTION 585**

Which task is an AWS responsibility when a workload is running in Amazon RDS?

- A. Creating the database table
- B. Updating the database schema
- C. Installing the database engine
- D. Dropping the database records

**Correct Answer: C****Section: (none)****Explanation****Explanation/Reference:****QUESTION 586**

Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification setup
- B. Refresh checks
- C. AWS Support API
- D. Action links

**Correct Answer: C****Section: (none)****Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas. You can then follow the check recommendations to optimize your services and resources.

AWS Basic Support and AWS Developer Support customers can access core security checks and all checks for service quotas. AWS Business Support and AWS Enterprise Support customers can access all checks, including cost optimization, security, fault tolerance, performance, and service quotas. For a complete list of checks and descriptions, see the [Trusted Advisor Best Practices](#).

**QUESTION 587**

Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%20select%20online%20agreements.>

**QUESTION 588**

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon API Gateway
- D. Amazon Connect

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC.

With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference: <https://aws.amazon.com/directconnect/>

**QUESTION 589**

A global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS Region that is closest to the user.

What should the company do to meet these data storage requirements with the LEAST amount of operational overhead?

- A. Use Amazon EC2 in multiple Regions to host separate databases.
- B. Use Amazon RDS cross-Region replication.
- C. Use Amazon DynamoDB global tables.

D. Use AWS Database Migration Service (AWS DMS).

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Hundreds of thousands of AWS customers have chosen DynamoDB as their key-value and document database for mobile, web, gaming, ad tech, IoT, and other applications that need low-latency data access at any scale. Create a new table for your application and let DynamoDB handle the rest. Reference: <https://aws.amazon.com/dynamodb/>

#### QUESTION 590

Which guidelines are key AWS architectural design principles? (Choose two.)

- A. Design for fixed resources.
- B. Build scalable architectures.
- C. Use tightly coupled components.
- D. Use managed services when possible.
- E. Design for human interaction

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

#### QUESTION 591

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas. Which of the following meets these requirements?

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.botmetric.com/blog/having-a-disaster-recovery-plan-is-pivotal-the-dos-and-donts-on-aws-cloud/>

#### QUESTION 592

What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 593**

A company is considering moving its on-premises data center to AWS.

What factors should be included in doing a Total Cost of Ownership (TCO) analysis? (Choose two.)

- A. Amazon EC2 instance availability
- B. Power consumption of the data center
- C. Labor costs to replace old servers
- D. Application developer time
- E. Database engine capacity

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 594**

Which of the following is an AWS database service?

- A. Amazon Redshift
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3 Glacier
- D. AWS Snowball

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.sisense.com/glossary/redshift-database/>

**QUESTION 595**

What is an advantage of using the AWS Cloud over a traditional on-premises solution?

- A. Users do not have to guess about future capacity needs.
- B. Users can utilize existing hardware contracts for purchases.
- C. Users can fix costs no matter what their traffic is.
- D. Users can avoid audits by using reports from AWS.

**Correct Answer:** A

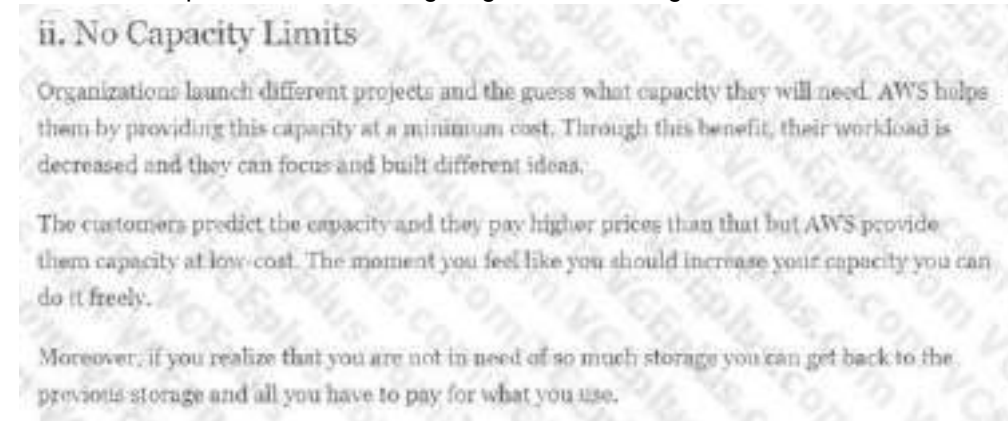
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://data-flair.training/blogs/aws-advantages/>



**QUESTION 596**

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 597**

A company must keep records of all resource changes that are made through the AWS Management Console and AWS APIs. Which AWS service should the company use to meet this requirement?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS X-Ray
- D. Amazon Inspector

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 598**

Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

- A. API keys
- B. Access keys
- C. User names/Passwords
- D. SSH keys

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**QUESTION 599**

A company wants to migrate to AWS and use the same security software it uses on premises. The security software vendor offers its security software as a service on AWS. Where can the company purchase the security solution?

- A. AWS Partner Solutions Finder
- B. AWS Support Center
- C. AWS Management Console
- D. AWS Marketplace

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/marketplace>

**QUESTION 600**

When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)

- A. Physical storage hardware
- B. Operating system administration
- C. Network infrastructure of data center
- D. Project management
- E. Database schema development

**Correct Answer:** AC  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 601**

A company wants to configure a dedicated connection between its on-premises IT infrastructure and resources in an AWS Region. The company also wants to reduce network latency and congestion. Which AWS service or feature should the company choose?

- A. AWS VPN
- B. AWS PrivateLink
- C. Amazon Connect
- D. AWS Direct Connect

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/directconnect/>



**How it works**

The AWS Direct Connect cloud service is the shortest path to your AWS resources. While in transit, your network traffic remains on the AWS global network and never touches the public internet. This reduces the chance of hitting bottlenecks or unexpected increases in latency. When creating a new connection, you can choose a hosted connection provided by an AWS Direct Connect Delivery Partner, or choose a dedicated connection from AWS—and deploy it over 100 AWS Direct Connect locations around the globe. With AWS Direct Connect S3Link, you can send data between AWS Direct Connect locations to create private network connections between the offices and data centers in your global network.

**QUESTION 602**

A company has a business-critical Amazon RDS for MySQL DB instance that resides in a single Availability Zone. Which solution will improve the availability of the DB instance?

- A. Convert the DB instance into a multi-Region deployment.
- B. Create an Amazon Simple Queue Service (Amazon SQS) queue in the same AWS Region to manage writes to the DB instance.
- C. Convert the DB instance into a Multi-AZ deployment.
- D. Create an Amazon Simple Queue Service (Amazon SQS) queue in a different AWS Region to manage writes to the DB instance.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/features/multi-az/#:~:text=To%20create%20a%20new%20Multi,in%20the%20AWS%20Management%20Console>

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for RDS database (DB) instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB instance, Amazon RDS automatically creates a primary DB instance and synchronously replicates the data to a standby instance in a different **Availability Zone (AZ)**. Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of **Amazon Aurora**), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.

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**QUESTION 603**

Which VPC component provides a layer of security at the subnet level?

- A. Security groups
- B. Network ACLs
- C. NAT gateways
- D. Route tables

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_SecurityGroups.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html)



A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. When you launch an instance in a VPC, you can assign up to five security groups to the instance. Security groups act at the instance level, not the subnet level. Therefore, each instance in a subnet in your VPC can be assigned to a different set of security groups.

If you launch an instance using the Amazon EC2 API or a command line tool and you don't specify a security group, the instance is automatically assigned to the default security group for the VPC. If you launch an instance using the Amazon EC2 console, you have an option to create a new security group for the instance.

#### QUESTION 604

Which action will provide documentation to help a company evaluate whether its use of the AWS Cloud is compliant with local regulatory standards?

- A. Running Amazon GuardDuty
- B. Using AWS Artifact
- C. Creating an AWS Support ticket
- D. Evaluating AWS CloudTrail logs

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reference: <https://aws.amazon.com/artifact/>

#### QUESTION 605

What is the LEAST expensive AWS Support plan that provides a designated AWS technical account manager (TAM)?

- A. AWS Developer Support
- B. AWS Enterprise Support
- C. AWS Basic Support
- D. AWS Business Support

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### QUESTION 606

A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack. Who should the user contact FIRST about this situation?

- A. AWS Premium Support
- B. AWS Technical Account Manager
- C. AWS Solutions Architect

D. AWS Abuse team

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>



#### QUESTION 607

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system. Which AWS service can fulfill this requirement?

- A. AWS Direct Connect
- B. AWS VPN
- C. Amazon Connect
- D. AWS Data Pipeline

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference: <https://aws.amazon.com/directconnect/>

#### QUESTION 608

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users. Which services will help? (Choose two.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/database/latency-reduction-of-hybrid-architectures-with-amazon-elasticache/>

**QUESTION 609**

Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>



VCEUp

**QUESTION 610**

Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

**Correct Answer: AC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 611**

A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.

Which AWS service or group can provide these documents?

- A. AWS Abuse team
- B. AWS Artifact
- C. AWS Support
- D. AWS Config

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/artifact/faq/>

**QUESTION 612**

Which of the following is the customer's responsibility when using Amazon RDS?

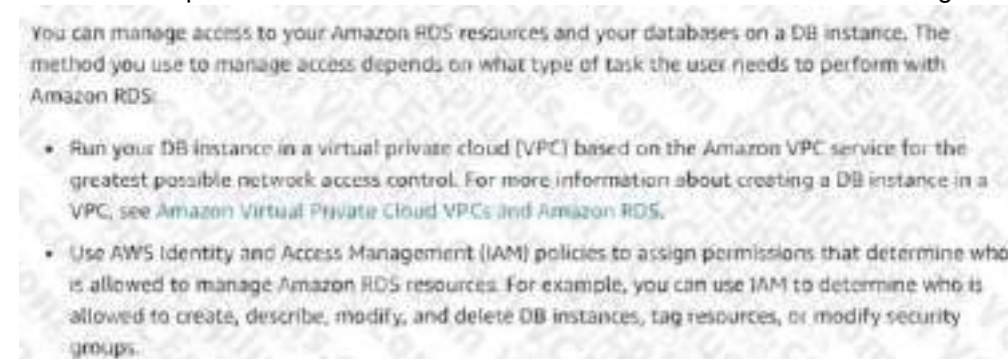
- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html>



**QUESTION 613**

Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access
- D. Amazon S3 Glacier

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/s3/storage-classes/>

**QUESTION 614**

Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Choose two.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted

E. Ensuring that hardware is disposed of properly

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 615**

Which AWS service can be used to encrypt data at rest?

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Security Hub
- D. AWS Key Management Service (AWS KMS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/how-to-protect-data-at-rest-with-amazon-ec2-instance-store-encryption/>

AWS Key Management Service (KMS) – AWS KMS is a managed service that enables easy creation and control of encryption keys used to encrypt data. KMS uses envelope encryption in which data is encrypted using a data key that is then encrypted using a master key. Master keys can also be used to encrypt and decrypt up to 4 kilobytes of data. In our solution, I use KMS encrypt/decrypt APIs to encrypt the encrypted file system's password. See more information about envelope encryption.

**QUESTION 616**

Amazon Elastic File System (Amazon EFS) and Amazon FSx offer which type of storage?

- A. File storage
- B. Object storage
- C. Block storage
- D. Instance store

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://pilotcoresystems.com/insights/ebs-efs-fsx-s3-how-these-storage-options-differ>

**QUESTION 617**

When building a cloud Total Cost of Ownership (TCO) model, which cost elements should be considered for workloads running on AWS? (Choose three.)

- A. Compute costs
- B. Facilities costs
- C. Storage costs
- D. Data transfer costs
- E. Network infrastructure costs
- F. Hardware lifecycle costs

**Correct Answer:** ACE



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 618**

According to the AWS shared responsibility model, who is responsible for configuration management?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications. Reference: <https://aws.amazon.com/compliance/shared-responsibilitymodel/>

**QUESTION 619**

How can a customer increase security to AWS account logons? (Choose two.)

- A. Configure AWS Certificate Manager
- B. Enable Multi-Factor Authentication (MFA)
- C. Use Amazon Cognito to manage access
- D. Configure a strong password policy
- E. Enable AWS Organizations

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Your root account should always be protected by Multi-Factor Authentication (MFA). This additional layer of security helps protect against unauthorized logins to your account by requiring two factors: something you know (a password) and something you have (for example, an MFA device). AWS supports virtual and hardware MFA devices and U2F security keys.

Cognito can be used as an Identity Provider (IdP), where it stores and maintains users and credentials securely for your applications, or it can be integrated with OpenID Connect, SAML, and other popular web identity providers like Amazon.com.

Using Amazon Cognito, you can generate temporary access credentials for your clients to access AWS services, eliminating the need to store long-term credentials in client applications.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmaticaccess/>

**QUESTION 620**

Which AWS service is a fully managed source control service that hosts secure Git-based repositories?

- A. AWS CodeCommit
- B. AWS CodeStar
- C. Amazon CodeGuru
- D. AWS CodePipeline

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CodeCommit is a secure, highly scalable, managed source control service that hosts private Git repositories. It makes it easy for teams to securely collaborate on code with contributions encrypted in transit and at rest.

Reference: <https://aws.amazon.com/codecommit/>

**QUESTION 621**

A company needs software solutions that are hosted on the AWS platform or that are integrated with the AWS platform. The company needs solutions from independent software vendors as well as management and security vendors. Which group or team can provide these solutions?

- A. AWS technical account managers (TAMs)
- B. AWS Partner Network (APN) Consulting Partners
- C. AWS Concierge Support
- D. AWS Partner Network (APN) Technology Partners

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/partners/>

**QUESTION 622**

What time-savings advantage is offered with the use of Amazon Rekognition?

- A. Amazon Rekognition provides automatic watermarking of images.
- B. Amazon Rekognition provides automatic detection of objects appearing in pictures.
- C. Amazon Rekognition provides the ability to resize millions of images automatically.
- D. Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Rekognition Image is an image recognition service that detects objects, scenes, and faces; extracts text; recognizes celebrities; and identifies inappropriate content in images. It also allows you to search and compare faces. Rekognition Image is based on the same proven, highly scalable, deep learning technology developed by Amazon's computer vision scientists to analyze billions of images daily for Prime Photos.

Reference: <https://aws.amazon.com/rekognition/faqs/>

**QUESTION 623**

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.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/industries/how-to-build-a-global-scalable-low-latency-and-secure-machinelearning-medical-imaging-analysis-platform-on-aws/>

**QUESTION 624**

Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

- A. Enterprise
- B. Business



- C. Developer
- D. Basic

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 625**

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.  
What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

**QUESTION 626**

Which of the following can a customer use to enable single sign-on (SSO) to the AWS Console?

- A. Amazon Connect
- B. AWS Directory Service
- C. Amazon Pinpoint
- D. Amazon Rekognition

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Single sign-on only works when used on a computer that is joined to the AWS Directory Service directory. It cannot be used on computers that are not joined to the directory.

Reference: [https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms\\_ad\\_single\\_sign\\_on.html](https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms_ad_single_sign_on.html)

**QUESTION 627**

Which service provides a virtually unlimited amount of online highly durable object storage?

- A. Amazon Redshift
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon S3

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/what-is-cloud-object-storage/>

**QUESTION 628**

What credential components are required to gain programmatic access to an AWS account? (Choose two.)

- A. An access key ID
- B. A primary key
- C. A secret access key
- D. A user ID
- E. A secondary key

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html>

**QUESTION 629**

Which AWS service acts as a data extract, transform, and load (ETL) tool to make it easy to prepare data for analytics?

- A. Amazon QuickSight
- B. Amazon Athena
- C. AWS Glue
- D. AWS Elastic Beanstalk

**Correct Answer:** C

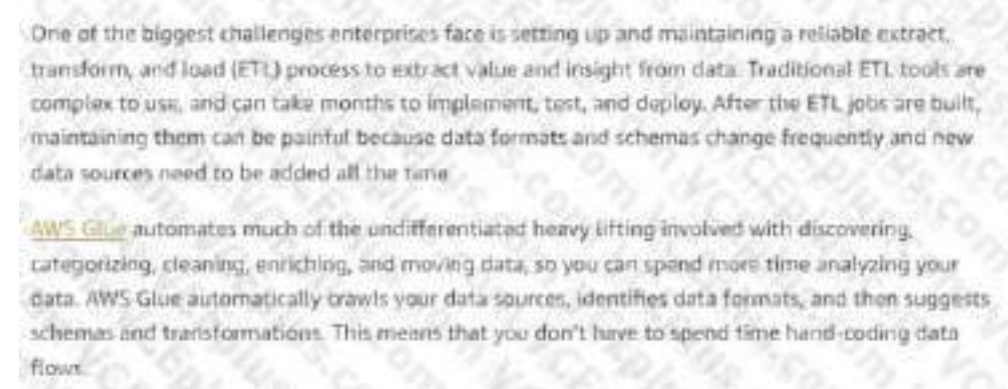
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/database/how-to-extract-transform-and-load-data-for-analytic-processing-usingaws-glue-part-2/>

**QUESTION 630**

A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud. How can these reports be generated?

- A. Contact the AWS Compliance team
- B. Download the reports from AWS Artifact
- C. Open a case with AWS Support
- D. Generate the reports with Amazon Macie

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 631**

Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

- A. Amazon EBS
- B. Amazon EC2 instance store
- C. Amazon EFS
- D. Amazon S3

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

When you stop or terminate an instance, every block of storage in the instance store is reset. Therefore, your data cannot be accessed through the instance store of another instance. Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html>

**QUESTION 632**

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

**QUESTION 633**

Which AWS service or feature can help a company determine if it has Amazon S3 buckets that are publicly available?

- A. AWS Service Health Dashboard
- B. Amazon CloudWatch Logs
- C. AWS Trusted Advisor
- D. AWS Service Catalog

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/product-marketing/S3/Amazon\\_S3\\_Security\\_eBook\\_2020.pdf](https://d1.awsstatic.com/product-marketing/S3/Amazon_S3_Security_eBook_2020.pdf)

**QUESTION 634**

A company wants to store data with high availability, encrypt the data at rest, and have direct access to the data over the internet. Which AWS service will meet these requirements MOST cost-effectively?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3

- C. Amazon Elastic File System (Amazon EFS)
- D. AWS Storage Gateway

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can encrypt data using any encryption method you want, and then upload the encrypted data using the Amazon Simple Storage Service (Amazon S3) APIs. Most common application languages include cryptographic libraries that allow you to perform encryption in your applications. Two commonly available open source tools are Bouncy Castle and OpenSSL. Once you have encrypted an object and safely stored the key in your KMS, the encrypted object can be uploaded to Amazon S3 directly with a PUT request.

Reference: <https://d0.awsstatic.com/whitepapers/aws-securing-data-at-rest-with-encryption.pdf>

#### QUESTION 635

Which AWS service provides the ability to manage infrastructure as code?

- A. AWS CodePipeline
- B. AWS CodeDeploy
- C. AWS Direct Connect
- D. AWS CloudFormation

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This file serves as the single source of truth for your cloud environment. Reference: <https://aws.amazon.com/cloudformation/>

#### QUESTION 636

Where can AWS compliance and certification reports be downloaded?

- A. AWS Artifact
- B. AWS Concierge
- C. AWS Certificate Manager
- D. AWS Trusted Advisor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements.

The AWS SOC 2 report is particularly helpful for completing questionnaires because it provides a comprehensive description of the implementation and operating effectiveness of AWS security controls. Another useful document is the Executive Briefing within the AWS FedRAMP Partner Package. Reference: <https://aws.amazon.com/compliance/faq/>

#### QUESTION 637

Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

**QUESTION 638**

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

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/outposts/>

**QUESTION 639**

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge locations

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/globalinfrastructure/localzones/features/#:~:text=AWS%20Local%20Zones%20are%20a,millisecond%20latency%20to%20endusers>

**QUESTION 640**

Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?

- A. AWS X-Ray
- B. AWS Shield
- C. AWS Trusted Advisor
- D. AWS CloudTrail

**Correct Answer: D**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/cloudtrail/#:~:text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure>

**QUESTION 641**

A company hosts images in an Amazon S3 bucket for a public-facing website that is viewed by millions of users around the globe.

Which AWS service will deliver this content with reduced latency?

- A. AWS WAF
- B. Amazon CloudWatch
- C. Amazon Cloud Front
- D. AWS CloudFormation

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/hands-on/deliver-content-faster/>

#### QUESTION 642

Which AWS Cloud benefit is shown by an architecture's ability to withstand failures with minimal downtime?

- A. Agility
- B. Elasticity
- C. Scalability
- D. High availability

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 643

Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

#### QUESTION 644

Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

**QUESTION 645**

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud. Which of the following are benefits of building this app in the AWS Cloud? (Choose two.)

- A. A large, upfront capital expense and low variable expenses
- B. Increased speed for trying out new projects
- C. Complete control over the physical security of the infrastructure
- D. Flexibility to scale up in minutes as the application becomes popular
- E. Ability to pick the specific data centers that will host the application servers

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 646**

Within the AWS shared responsibility model, who is responsible for security and compliance?

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates. Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 647**

Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>



**Virtual Private Cloud (VPC)**

A VPC is a set of contained subnets with a common Classless Inter-Domain Routing (CIDR) block (up to a /16 netmask) running in a single geographic area (Region) across multiple data centers (Availability Zones).

A VPC is like a virtual data center, except that it's physically spread out across Availability Zones. VPCs have network connectivity within the Region in which they are created. You can use Internet connectivity, virtual private network (VPN) connectivity, and VPC peering to connect VPCs to other networks. Address your VPC in RFC 1918 space so that it doesn't conflict with other parts of your network.

When an account has multiple VPCs, they are similar to virtual routing and forwarding (VRF) tables or contexts on some devices. If you build a service in one VPC and need to access it from another VPC, you will either need to peer the two VPCs or use a VPN to connect them.

Instances in new accounts (created after December 4, 2013) are launched into VPCs by default. There is a default VPC that differs from VPCs created by users, as explained in the Amazon VPC documentation and explained below.

**QUESTION 648**

Which AWS service enables users to deploy infrastructure as code by automating the process of provisioning resources?

- A. Amazon GameLift
- B. AWS CloudFormation
- C. AWS Data Pipeline
- D. AWS Glue

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation: AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference: <https://aws.amazon.com/cloudformation/>

**QUESTION 649**

Which of the following Identity and Access Management (IAM) entities is associated with an access key ID and secret access key when using AWS Command Line Interface (AWS CLI)?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**QUESTION 650**

A network engineer needs to establish a dedicated 10 Gbps network connection from an on-premises environment to AWS. Which AWS service or feature should the engineer use?

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS PrivateLink
- D. AWS VPN

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Direct Connect can create a dedicated network connection between your premises and AWS. Reference:

<https://aws.amazon.com/directconnect/>

**QUESTION 651**

A financial services company wants to ensure that its AWS account activity is logged to meet regulatory requirements for logging, auditing, and governance. Which AWS service meets these requirements?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. AWS Config
- D. Amazon CloudWatch

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html>

AWS CloudTrail is an AWS service that helps you enable governance, compliance, and operational and risk auditing of your AWS account. Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail. Events include actions taken in the AWS Management Console, AWS Command Line Interface, and AWS SDKs and APIs.

CloudTrail is enabled on your AWS account when you create it. When activity occurs in your AWS account, that activity is recorded in a CloudTrail event. You can easily view recent events in the CloudTrail console by going to Event history. For an ongoing record of activity and events in your AWS account, [create a trail](#). For more information about CloudTrail pricing, see [AWS CloudTrail Pricing](#).

Visibility into your AWS account activity is a key aspect of security and operational best practices. You can use CloudTrail to view, search, download, archive, analyze, and respond to account activity across your AWS infrastructure. You can identify who or what took which action, what resources were acted upon, when the event occurred, and other details to help you analyze and respond to activity in your AWS account. Optionally, you can enable AWS CloudTrail Insights on a trail to help you identify and respond to unusual activity.

You can integrate CloudTrail into applications using the API, automate trail creation for your organization, check the status of trails you create, and control how users view CloudTrail events.

**QUESTION 652**

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

#### **QUESTION 653**

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency. What should the company do to reduce latency?

- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (São Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/transit-gateway/>

#### **QUESTION 654**

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf> (26)

#### **QUESTION 655**

Which method helps to optimize costs of users moving to the AWS Cloud?

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/>**QUESTION 656**

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using the only AWS services that replicates data across multiple Availability Zones. Which AWS services should the company use to meet this requirement? (Choose two.)

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Aurora
- D. Amazon DynamoDB
- E. Amazon Redshift

**Correct Answer:** CD**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/rds/features/multi-az/#:~:text=Amazon%20Aurora%20further%20extends%20the,ways%2C%20across%20three%20Availability%20Zones>**QUESTION 657**

A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud. Which AWS service should the company use?

- A. AWS Snowball
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon Connect

**Correct Answer:** A**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>**QUESTION 658**

IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components. This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling
- C. Automation
- D. Automatic scaling

**Correct Answer:** B**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf) (20)**QUESTION 659**

Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
- B. VPC endpoint
- C. VPN connection
- D. Internet gateway

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf> (41, 42, 43)

#### QUESTION 660

Which of the following common IT tasks can AWS cover to free up company IT resources? (Choose two.)

- A. Patching databases software
- B. Testing application releases
- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 661

Which of the following is a managed AWS service that is used specifically for extract, transform, and load (ETL) data?

- A. Amazon Athena
- B. AWS Glue
- C. Amazon S3
- D. AWS Snowball Edge

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/glue/latest/dg/what-is-glue.html>

#### QUESTION 662

Which AWS service can be used to generate alerts based on an estimated monthly bill?

- A. AWS Config
- B. Amazon CloudWatch
- C. AWS X-Ray
- D. AWS CloudTrail

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can monitor your estimated AWS charges by using Amazon CloudWatch. When you enable the monitoring of estimated charges for your AWS account, the estimated charges are calculated and sent several times daily to CloudWatch as metric data.

Billing metric data is stored in the US East (N. Virginia) Region and represents worldwide charges. This data includes the estimated charges for every service in AWS that you use, in addition to the estimated overall total of your AWS charges.

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

#### QUESTION 663

Which of the following is a correct relationship between regions, Availability Zones, and edge locations?

- A. Data centers contain regions.
- B. Regions contain Availability Zones.
- C. Availability Zones contain edge locations.
- D. Edge locations contain regions.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/#Region\\_Maps\\_and\\_Edge\\_Networks](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/#Region_Maps_and_Edge_Networks)

#### QUESTION 664

A web developer is concerned that a DDoS attack could target an application.

Which AWS services or features can help protect against such an attack? (Choose two.)

- A. AWS Shield
- B. AWS CloudTrail
- C. Amazon CloudFront
- D. AWS Support Center
- E. AWS Service Health Dashboard

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/shield/>

#### QUESTION 665

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

- A. AWS Config
- B. VPC Flow Logs
- C. AWS Trusted Advisor
- D. AWS CloudTrail

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

#### QUESTION 666

Which disaster recovery scenario offers the lowest probability of down time?



- A. Backup and restore
- B. Pilot light
- C. Warm standby
- D. Multi-site active-active

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Backup and Restore: a simple, straightforward, cost-effective method that backs up and restores data as needed. Keep in mind that because none of your data is on standby, this method, while cheap, can be quite time-consuming.

Pilot Light: This method keeps critical applications and data at the ready so that it can be quickly retrieved if needed.

Warm Standby: This method keeps a duplicate version of your business' core elements running on standby at all times, which makes for a little downtime and an almost seamless transition.

Multi-Site Solution: Also known as a Hot Standby, this method fully replicates your company's data/applications between two or more active locations and splits your traffic/usage between them. If a disaster strikes, everything is simply rerouted to the unaffected area, which means you'll suffer almost zero downtime. However, by running two separate environments simultaneously, you will obviously incur much higher costs.

Reference: <https://cloudranger.com/best-practices-aws-disaster-recovery-planning/>

#### QUESTION 667

What can users access from AWS Artifact?

- A. AWS security and compliance documents
- B. A download of configuration management details for all AWS resources
- C. Training materials for AWS services
- D. A security assessment of the applications deployed in the AWS Cloud

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can use AWS Artifact Reports to download AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports.

Reference: <https://aws.amazon.com/artifact/faq/>

#### QUESTION 668

A social media company needs to launch a new feature. The feature will give users the ability to share images that can be viewed by other users across the world with low latency.

Which AWS service or feature should the company use to meet this requirement MOST cost-effectively?

- A. Amazon DynamoDB global tables
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Outposts

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Securely deliver content with low latency and high transfer speeds.

Reference: <https://aws.amazon.com/cloudfront/>

#### QUESTION 669

A user should contact the AWS Abuse team to report which situations? (Choose two.)

- A. A DDoS attack is being made on an AWS resource.
- B. A SQL injection attack is being made from an IP address that is not an AWS address.
- C. AWS resources are being used to host objectionable or illegal content.



- D. A company's resources are being used in a way that is inconsistent with corporate policy.
- E. A company is receiving HTTPS requests on a web server that is serving HTTP.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

#### QUESTION 670

Which AWS service can be used to track unauthorized API calls?

- A. AWS Config
- B. AWS CloudTrail
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 671

A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage. Which set of tasks would meet this requirement?

- A. Add an Application Load Balancer in front of the EC2 instance
- B. Configure EC2 Auto Recovery to move the instance to another Availability Zone
- C. Migrate to Amazon RDS and enable Multi-AZ
- D. Enable termination protection for the EC2 instance to avoid outages

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

#### QUESTION 672

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing>

AWS X-Ray helps developers analyze and debug production, distributed applications, such as those built using a microservices architecture. With X-Ray, you can understand how your application and its underlying services are performing to identify and troubleshoot the root cause of performance issues and errors. X-Ray provides an end-to-end view of requests as they travel through your application, and shows a map of your application's underlying components. You can use X-Ray to analyze both applications in development and in production, from simple three-tier applications to complex microservices applications consisting of thousands of services.

**QUESTION 673**

Which task is AWS responsible for in the shared responsibility model for security and compliance?

- A. Granting access to individuals and services
- B. Encrypting data in transit
- C. Updating Amazon EC2 host firmware
- D. Updating operating systems

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Compliance enables customers to establish and operate in an AWS security control environment. The shared responsibility model is part of the AWS Compliance program. The security of the cloud is managed by Amazon, the AWS provider. The security in the cloud is the responsibility of the customer. The customer is responsible for their information and data, their secure transmission, integrity, and encryption. Also, the customer is responsible for managing, supporting, patching, and controlling the guest operating system and AWS services provided like EC2. AWS customers retain control and ownership of their data. The AWS network provides significant protection against traditional network security issues, and the customer can implement further protection. Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

**QUESTION 674**

A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbilling-aboutv2.pdf>

**QUESTION 675**

Which AWS service is used to provide encryption for Amazon EBS?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS KMS
- D. AWS Config

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html>

**QUESTION 676**

Which AWS service can be used to turn text into life-like speech?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sounding%20human%20speech.>

**QUESTION 677**

If each department within a company has its own AWS account, what is one way to enable consolidated billing?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 678**

A company has a Java web application. The company wants to use auto deployment to create the AWS environment and deploy new versions of its application. Which AWS service will meet these requirements?

- A. AWS Auto Scaling
- B. AWS Elastic Beanstalk
- C. AWS Control Tower
- D. Amazon EC2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

You can simply upload your code and Elastic Beanstalk automatically handles the deployment. Reference:

<https://aws.amazon.com/elasticbeanstalk/>

**QUESTION 679**

Which AWS service should a company use to continuously monitor the compliance of AWS resource configurations?

- A. AWS Organizations
- B. AWS Config
- C. AWS Artifact
- D. AWS Service Catalog

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/config/#:~:text=AWS%20Config%20is%20a%20service,recorded%20configurations%20against%20desired%20configurations>

**QUESTION 680**

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 681**

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are onpremises libraries or off-premises services.

Reference: <https://aws.amazon.com/s3/storage-classes/>

**QUESTION 682**

What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

Reference: <https://aws.amazon.com/shield/pricing/>

**QUESTION 683**

Which of the following enables users to leverage the power of AWS services programmatically?

- A. AWS Command Line Interface (AWS CLI)
- B. AWS Trusted Advisor
- C. AWS CodeDeploy
- D. AWS Management Console

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/category/aws-management-console/>

**QUESTION 684**

Which of the following are ways to improve security on AWS? (Choose two.)

- A. Using AWS Artifact
- B. Granting the broadest permissions to all IAM roles
- C. Running application code with AWS Cloud9
- D. Enabling multi-factor authentication (MFA) with Amazon Cognito
- E. Using AWS Trusted Advisor security checks

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/security/top-10-security-items-to-improve-in-your-aws-account/>

**QUESTION 685**

What is the customer's responsibility when using AWS Lambda?

- A. Operating system configuration
- B. Application management
- C. Platform management
- D. Code encryption

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/lambda/security-overview-of-aws-lambda/>

**QUESTION 686**

According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

- A. Network infrastructure and virtualization of infrastructure
- B. Security of application data
- C. Guest operating systems
- D. Physical security of hardware
- E. Credentials and policies

**Correct Answer:** AD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 687**

A company is running a self-managed Oracle database directly on Amazon EC2 for its steady-state database. The company wants to reduce compute costs. Which option should the company use to maximize savings over a 3-year term?

- A. EC2 Dedicated Instances
- B. EC2 Spot Instances
- C. EC2 Reserved Instances
- D. EC2 On-Demand Instances

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 688**

According to the AWS shared responsibility model, which task is the responsibility of AWS for workloads running on Amazon EC2?

- A. Updating the physical hardware
- B. Updating the operating system
- C. Updating the database engine
- D. Updating the user data

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 689**

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

- A. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies.
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

#### QUESTION 690

Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 691

Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

#### QUESTION 692

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. Which Amazon EC2 instance pricing option will meet these requirements?

- A. Dedicated Hosts
- B. Dedicated Instances
- C. Spot Instances
- D. Reserved Instances

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:  
Reference: <https://aws.amazon.com/ec2/dedicated-hosts/>

**QUESTION 693**

Which architectural principle is used when deploying an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode?

- A. Implement loose coupling.
- B. Design for failure.
- C. Automate everything that can be automated.
- D. Use services, not servers.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.  
Reference: <https://aws.amazon.com/rds/details/multi-az/>

**QUESTION 694**

Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Choose two.)

- A. High availability
- B. Shared security model
- C. Elasticity
- D. Pay-as-you-go pricing
- E. Reliability

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 695**

Using AWS Identity and Access Management (IAM), what can be attached to an Amazon EC2 instance to make service requests?

- A. Group
- B. Role
- C. Policy
- D. Access key

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:  
Reference: <https://aws.amazon.com/iam/faqs/>

## IAM role management

### Q: What is an IAM role?

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.

### Q: What problems do IAM roles solve?

IAM roles allow you to delegate access with defined permissions to trusted entities without having to share long-term access keys. You can use IAM roles to delegate access to IAM users managed within your account, to IAM users under a different AWS account, or to an AWS service such as EC2.

### Q: How do I get started with IAM roles?

You create a role in a way similar to how you create a user—name the role and attach a policy to it. For details, see [Creating IAM Roles](#).

## QUESTION 696

Which AWS services make use of global edge locations? (Choose two.)

- A. AWS Fargate
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. AWS Wavelength
- E. Amazon VPC

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.lastweekinaws.com/blog/what-is-an-edge-location-in-aws-a-simpleexplanation/#:~:text=CloudFront%20is%20the%20most%20commonly,caches%20content%20in%20edge%20locations>

- CloudFront is the most commonly discussed use of edge locations. It's a content delivery network that caches content in edge locations. Content can be served directly from the cache, so it gets to users faster. CloudFront is often used to serve static assets, speed up websites, and stream videos.
- Route 53 is purportedly a managed DNS service with name servers spread across Amazon's edge locations. DNS responses come directly from the edge locations, so they're as fast as possible.
- Web Application Firewall and AWS Shield provide a firewall and DDoS protection, respectively. These services filter traffic in edge locations so malicious or unwanted traffic can be discarded as close to source as possible. This, in turn, reduces congestion on Amazon's global network and the public internet.
- AWS Global Accelerator allows you to route requests for key resources through Amazon's global network—even if the request is going halfway round the world. The request is initially routed to the closest edge location and then travels through Amazon's network—often with lower latency and higher throughput than the public internet.

## QUESTION 697

When is it beneficial for a company to use a Spot Instance?

- A. When there is flexibility in when an application needs to run.
- B. When there are mission-critical workloads.
- C. When dedicated capacity is needed.
- D. When an instance should not be stopped.

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

The key to understanding spot instances is to look at the way that cloud service providers such as Amazon Web Services (AWS) operate. Cloud service providers invest in hardware resources and then release those resources (often on a per-hour basis) to subscribers. One of the problems with this business model, however, is that at any given time, there are likely to be compute resources that are not being utilized. These resources represent hardware capacity that AWS has paid for but are sitting idle, and not making AWS any money at the moment.

Rather than allowing these computing resources to go to waste, AWS offers them at a substantially discounted rate, with the understanding that if someone needs those resources for running a normal EC2 instance, that instance will take priority over spot instances that are using the hardware resources at a discounted rate. In fact, spot instances will be stopped if the resources are needed elsewhere.

Reference: <https://awsinsider.net/articles/2017/09/25/aws-spot-instances-primer.aspx>

**QUESTION 698**

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores. How can the company meet this requirement in the AWS Cloud?

- A. Launch an Amazon EC2 instance with default tenancy.
- B. Launch an Amazon EC2 instance on a Dedicated Host.
- C. Create an On-Demand Capacity Reservation.
- D. Purchase Dedicated Reserved Instances.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/compute/byol-and-oversubscription/>

**QUESTION 699**

Users are reporting latency when connecting to a website with a global customer base. Which AWS service will improve the customer experience by reducing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

**QUESTION 700**

Which AWS services or features provide high availability and low latency by enabling failover across different AWS Regions? (Choose two.)

- A. Amazon Route 53
- B. Network Load Balancer
- C. Amazon S3 Transfer Acceleration
- D. AWS Global Accelerator
- E. Application Load Balancer

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-loadbalancing-and-failover.html>

#### QUESTION 701

Which AWS service aggregates, organizes, and prioritizes security alerts and findings from multiple AWS services?

- A. Amazon Detective
- B. Amazon Inspector
- C. Amazon Macie
- D. AWS Security Hub

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/security-hub/?aws-security-hub-blogs.sort-by=item.additionalFields.createdDate&awssecurity-hub-blogs.sort-order=desc>



#### QUESTION 702

A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses. Which AWS service can help secure the application and block the malicious traffic?

- A. AWS IAM
- B. Amazon GuardDuty
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS WAF

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference: <https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

#### QUESTION 703

An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys. What is the SIMPLEST way to provide this information?

- A. Create an IAM user account for the auditor, granting the auditor administrator permissions.
- B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.
- C. Download the IAM credential report, then provide the report to the auditor.
- D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_getting-report.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_getting-report.html)

#### **QUESTION 704**

Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

- A. Fault tolerance
- B. Global reach
- C. Pay-as-you-go pricing
- D. High availability

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 705**

A company is moving its development and test environments to AWS to increase agility and reduce cost. Because these are not production workloads and the servers are not fully utilized, occasional unavailability is acceptable. What is the MOST cost-effective Amazon EC2 pricing model that will meet these requirements?

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances
- D. Dedicated Instances

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 706**

What is a responsibility of AWS in the shared responsibility model?

- A. Updating the network ACLs to block traffic to vulnerable ports.
- B. Patching operating systems running on Amazon EC2 instances.
- C. Updating the firmware on the underlying EC2 hosts.
- D. Updating the security group rules to block traffic to the vulnerable ports.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 707**

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/reactivate-suspended-account/>

**QUESTION 708**

Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

- A. Amazon GuardDuty
- B. Amazon Macie
- C. Amazon Inspector
- D. AWS Shield

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS. Macie recognizes sensitive data such as personally identifiable information (PII) or intellectual property. It provides you with dashboards and alerts that give visibility into how this data is being accessed or moved.

Reference: <https://docs.aws.amazon.com/macie/latest/userguide/what-is-macie.html>

**QUESTION 709**

Which of the following describes AWS Local Zones?

- A. A cluster of data centers in one geographic location
- B. A site used by Amazon CloudFront to cache frequently accessed content
- C. An extension of an AWS Region to more granular locations
- D. One or more data centers with redundant power and networking

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/about-aws/global-infrastructure/localzones/>

**QUESTION 710**

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays. Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS CloudTrail
- B. Amazon EC2 Auto Scaling
- C. Amazon Forecast
- D. AWS Config



**Correct Answer: B**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/autoscaling/>



#### QUESTION 711

What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

**Correct Answer: C**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

#### QUESTION 712

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

**Correct Answer: CD**  
**Section: (none)**  
**Explanation**

**Explanation/Reference:**

#### QUESTION 713

A company is considering using AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes.



Which service should the company use?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store
- D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 714

A company's traffic logs show that IP addresses owned by AWS are being used in an attempt to flood ports on system resources. To whom should the cloud practitioner report this issue?

- A. AWS Professional Services
- B. AWS Abuse team
- C. AWS Partner Network (APN)
- D. AWS technical account manager (TAM)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

#### QUESTION 715

Which of the following are benefits of the AWS Cloud? (Choose two.)

- A. Unlimited uptime
- B. Elasticity
- C. Agility
- D. Colocation
- E. Capital expenses

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The most celebrated benefit of AWS cloud is elasticity since you can expand the services when you experience more traffic.

Agile developments in AWS Cloud through strategies are day by day becoming more established within the enterprises across the world. With so much improvement and call for optimization in the cloud, it is necessary that these strategies get established from the ground up within the organizations. It is highly important as already enterprises have a lot of bequest, politics and hierarchies which act as barriers in their businesses.

Reference: <https://www.botmetric.com/blog/evolution-agile-enterprises-aws-cloud/>

#### QUESTION 716

Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

In the new model, the Spot prices are more predictable, updated less frequently, and are determined by supply and demand for Amazon EC2 spare capacity, not bid prices.

Reference: <https://aws.amazon.com/blogs/compute/new-amazon-ec2-spot-pricing/>

**QUESTION 717**

Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-awsaccounts-and-regions/>

**QUESTION 718**

A company is planning to create a new application that will run on Amazon EC2 instances and back up data on Amazon Elastic Block Store (EBS) volumes to Amazon S3. The company wants to estimate the monthly costs of running the application before making a deployment decision.

Which AWS service or feature can be used to estimate these costs?

- A. Cost Explorer
- B. AWS Pricing Calculator
- C. AWS Cost and Usage Report
- D. AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

To estimate a bill, use the AWS Pricing Calculator. Choose Create estimate, and then choose your planned resources by service. The AWS Pricing Calculator provides an estimated cost per month.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

**QUESTION 719**

Which services can be used to deploy applications on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS Config
- C. AWS OpsWorks
- D. AWS Application Discovery Service
- E. Amazon Kinesis

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>

**QUESTION 720**

Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 721**

Which of the following are customer responsibilities under the AWS shared responsibility model? (Choose two.)

- A. Physical security of AWS facilities
- B. Configuration of security groups
- C. Encryption of customer data on AWS
- D. Management of AWS Lambda infrastructure
- E. Management of network throughput of each AWS Region

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 722**

Which of the following benefits does the AWS Compliance program provide to AWS customers? (Choose two.)

- A. It verifies that hosted workloads are automatically compliant with the controls of supported compliance frameworks.
- B. AWS is responsible for the maintenance of common compliance framework documentation.
- C. It assures customers that AWS is maintaining physical security and data protection.
- D. It ensures the use of compliance frameworks that are being used by other cloud providers.
- E. It will adopt new compliance frameworks as they become relevant to customer workloads.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Risk\\_and\\_Compliance\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf)

**QUESTION 723**

Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

- A. Amazon Glacier
- B. AWS Storage Gateway
- C. Amazon S3
- D. Amazon EBS

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/s3/faqs/>

**QUESTION 724**

Which of the following services is a MySQL-compatible database that automatically grows storage as needed?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. Amazon Relational Database Service (Amazon RDS) for MySQL
- C. Amazon Lightsail
- D. Amazon Aurora

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Aurora is a relational database service that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. The MySQL-compatible edition of Aurora delivers up to 5X the throughput of standard MySQL running on the same hardware, and enables existing MySQL applications and tools to run without requiring modification.

Amazon Aurora will automatically grow the size of your database volume as your database storage needs grow. Your volume will grow in increments of 10 GB up to a maximum of 64 TB. You don't need to provision excess storage for your database to handle future growth.

Reference: <https://aws.amazon.com/rds/aurora/mysql-features/>

**QUESTION 725**

Which AWS service or feature improves network performance by sending traffic through the AWS worldwide network infrastructure?

- A. Route table
- B. AWS Transit Gateway
- C. AWS Global Accelerator
- D. Amazon VPC

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sortby=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-acceleratorwn.sortby=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

**QUESTION 726**

Which AWS service is a highly available and scalable DNS web service?

- A. Amazon VPC
- B. Amazon CloudFront
- C. Amazon Route 53
- D. Amazon Connect

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/route53/>

**QUESTION 727**

Which of the following services will automatically scale with an expected increase in web traffic?

- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/elasticloadbalancing/>

**QUESTION 728**

A company wants to allow full access to an Amazon S3 bucket for a particular user.

Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal
- B. Action
- C. Resource
- D. Statement

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/walkthrough1.html>

**QUESTION 729**

What exclusive benefit is provided to users with Enterprise Support?

- A. Access to a Technical Project Manager
- B. Access to a Technical Account Manager
- C. Access to a Cloud Support Engineer
- D. Access to a Solutions Architect

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

**QUESTION 730**

To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources. Which AWS service will meet these requirements?

- A. AWS Organizations
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. AWS Config

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-optimization/monitor-track-and-analyze/>

**QUESTION 731**

A customer is using multiple AWS accounts with separate billing.

How can the customer take advantage of volume discounts with minimal impact to the AWS resources?

- A. Create one global AWS account and move all AWS resources to tha account.
- B. Sign up for three years of Reserved Instance pricing up front.
- C. Use the consolidated billing feature from AWS Organizations.
- D. Sign up for the AWS Enterprise support plan to get volume discounts.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

**QUESTION 732**

Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

**Correct Answer:** BE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 733**

Which of the following are benefits of hosting infrastructure in the AWS Cloud? (Choose two.)

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

**Correct Answer:** AC  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 734**

A company is required to store its data close to its primary users.  
Which benefit of the AWS Cloud supports this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 735**

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

**Correct Answer:** AE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/waf/>

<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

**QUESTION 736**



A company's application has flexible start and end times.  
Which Amazon EC2 pricing model will be the MOST cost-effective?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/>



**QUESTION 737**

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 738**

A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance. Based on this situation, the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/>

#### QUESTION 739

Using AWS Identity and Access Management (IAM) to grant access only to the resources needed to perform a task is a concept known as:

- A. restricted access.
- B. as-needed access.
- C. least privilege access.
- D. token access.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

#### QUESTION 740

Which of the following are advantages of the AWS Cloud? (Choose two.)

- A. AWS manages the maintenance of the cloud infrastructure
- B. AWS manages the security of applications built on AWS
- C. AWS manages capacity planning for physical servers
- D. AWS manages the development of applications on AWS
- E. AWS manages cost planning for virtual servers

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

#### QUESTION 741

According to the AWS shared responsibility model, when using Amazon RDS, who is responsible for scheduling and performing backups?

- A. AWS is responsible for both tasks.
- B. The customer is responsible for scheduling and AWS is responsible for performing backups.
- C. The customer is responsible for both tasks.
- D. AWS is responsible for scheduling and the user is responsible for performing backups.

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 742**

The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://www.inqdo.com/aws-explained-global-infrastructure/?lang=en>

**QUESTION 743**

How would an AWS customer easily apply common access controls to a large set of users?

- A. Apply an IAM policy to an IAM group.
- B. Apply an IAM policy to an IAM role.
- C. Apply the same IAM policy to all IAM users with access to the same workload.
- D. Apply an IAM policy to an Amazon Cognito user pool.

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Instead of defining permissions for individual IAM users, it's usually more convenient to create groups that relate to job functions (administrators, developers, accounting, etc.). Next, define the relevant permissions for each group. Finally, assign IAM users to those groups. All the users in an IAM group inherit the permissions assigned to the group. That way, you can make changes for everyone in a group in just one place. As people move around in your company, you can simply change what IAM group their IAM user belongs to.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

**QUESTION 744**

A company has defined the AWS resources that it needs for a new application. The company needs to estimate the costs of running the application on AWS. What should the company do to meet this requirement?

- A. Take advantage of AWS on-demand pricing.
- B. Use the AWS Pricing Calculator to generate an approximate dollar amount.
- C. Use Amazon QuickSight to analyze current on-premises spending.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

**QUESTION 745**

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice. Which benefit of the AWS Cloud describes these abilities?

- A. Reliability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

**QUESTION 746**

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

- A. Detailed billing report
- B. Consolidated billing
- C. AWS Cost and Usage report
- D. Cost allocation report

**Correct Answer: B**

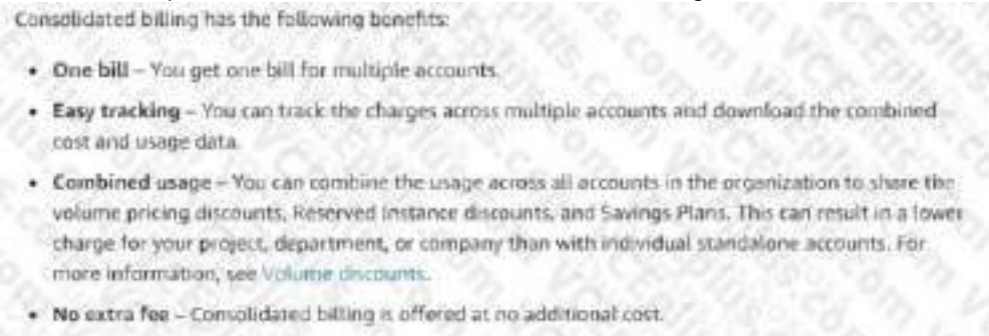
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 747**

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM

- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The AWS CloudHSM service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary.

CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Reference: <https://aws.amazon.com/cloudhsm/faqs/>

#### QUESTION 748

Which service should be used to estimate the costs of running a new project on AWS?

- A. AWS TCO Calculator
- B. AWS Simple Monthly Calculator
- C. AWS Cost Explorer API
- D. AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

To forecast your costs, use the AWS Cost Explorer. Use cost allocation tags to divide your resources into groups, and then estimate the costs for each group.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

#### QUESTION 749

Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/connect/customers/>

#### QUESTION 750

Which storage service can be used as a low-cost option for hosting static websites?

- A. Amazon Glacier
- B. Amazon DynamoDB
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Simple Storage Service (Amazon S3)

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/getting-started/projects/host-static-website/>

**QUESTION 751**

Which service allows a company with multiple AWS accounts to combine its usage to obtain volume discounts?

- A. AWS Server Migration Service
- B. AWS Organizations
- C. AWS Budgets
- D. AWS Trusted Advisor

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master account that pays the charges of all the member accounts.

Consolidated billing has the following benefits:

One bill – You get one bill for multiple accounts.

Easy tracking – You can track the charges across multiple accounts and download the combined cost and usage data.

Combined usage – You can combine the usage across all accounts in the organization to share the volume pricing discounts and Reserved Instance discounts. This can result in a lower charge for your project, department, or company than with individual standalone accounts. For more information, see Volume Discounts. No extra fee – Consolidated billing is offered at no additional cost.

**QUESTION 752**

Which Amazon EC2 pricing model offers the MOST significant discount when compared to On-Demand Instances?

- A. Partial Upfront Reserved Instances for a 1-year term
- B. All Upfront Reserved Instances for a 1-year term
- C. All Upfront Reserved Instances for a 3-year term
- D. No Upfront Reserved Instances for a 3-year term

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/>

**QUESTION 753**

Which tool can be used to monitor AWS service limits?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. AWS Trusted Advisor
- C. AWS Personal Health Dashboard
- D. AWS Cost and Usage report

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/mt/monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch/>



**QUESTION 754**

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 755**

Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Choose two.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/directconnect/faqs/>

**QUESTION 756**

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups. Which AWS service will support this use case?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon DocumentDB
- D. Amazon ElastiCache

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon RDS makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks, such as hardware provisioning, database setup, patching, and backups. It frees you to focus on your applications, so you can give them the fast performance, high availability, security, and compatibility that they need.

Reference: <https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rds-responsibilities/>

**QUESTION 757**

Which tasks should a user perform if the user suspects that an AWS account has been compromised? (Choose two.)

- A. Remove any multi-factor authentication (MFA) tokens.
- B. Rotate and delete all AWS access keys.
- C. Move resources to a different AWS Region.



- D. Delete AWS CloudTrail resources.
- E. Contact AWS Support.

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 758**

A user wants guidance on possible savings when migrating from on-premises to AWS. Which tool is suitable for this scenario?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. AWS Well-Architected Tool

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The TCO Calculator provides directional guidance on possible realized savings when deploying AWS. This tool is built on an underlying calculation model, that generates a fair assessment of value that a customer may achieve given the data provided by the user.

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 759**

Which task is the customer's responsibility, according to the AWS shared responsibility model?

- A. Maintain the security of the AWS Cloud.
- B. Configure firewalls and networks.
- C. Patch the operating system of Amazon RDS instances.
- D. Implement physical and environmental controls.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 760**

Amazon Route 53 enables users to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html>



#### QUESTION 761

AnyCompany recently purchased Example Corp. Both companies use AWS resources, and AnyCompany wants a single aggregated bill. Which option allows AnyCompany to receive a single bill?

- A. Example Corp. must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing.
- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbilling-aboutv2.pdf>

#### QUESTION 762

Treating infrastructure as code in the AWS Cloud allows users to:

- A. automate migration of on-premises hardware to AWS data centers.
- B. let a third party automate an audit of the AWS infrastructure.
- C. turn over application code to AWS so it can run on the AWS infrastructure.
- D. automate the infrastructure provisioning process.

**Correct Answer:** D

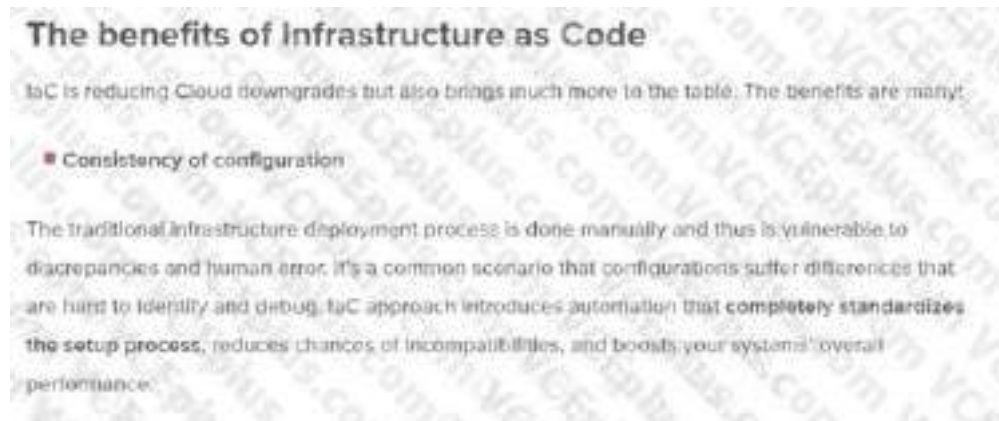
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://asperbrothers.com/blog/infrastructure-as-code-aws/>

**QUESTION 763**

The financial benefits of using AWS are: (Choose two.)

- A. reduced Total Cost of Ownership (TCO).
- B. increased capital expenditure (capex).
- C. reduced operational expenditure (opex).
- D. deferred payment plans for startups.
- E. business credit lines for startups.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 764**

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events. Which AWS managed service will meet these requirements?

- A. AWS Shield Advanced
- B. AWS Firewall Manager
- C. AWS WAF
- D. Amazon GuardDuty

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html>

**QUESTION 765**

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/crypto/latest/userguide/awscryp-service-hsm.html>

<https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

**QUESTION 766**

A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports. What is the SIMPLEST way to do this?

- A. Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.
- B. Run AWS Trusted Advisor and review the findings.
- C. Open the AWS IAM console and check the inbound rule filters for open access.
- D. In AWS Config, create a custom rule that invokes an AWS Lambda function to review rules for inbound access.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-security-groups.html>

**QUESTION 767**

Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity and Access Management (IAM) policy or another statement in the bucket policy.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/block-s3-traffic-vpc-ip/>

**QUESTION 768**

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf> (36)

**QUESTION 769**

Which AWS Support plan provides a full set of AWS Trusted Advisor checks?

- A. Business and Developer Support
- B. Business and Basic Support
- C. Enterprise and Developer Support
- D. Enterprise and Business Support

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 770**

A user with an AWS Basic Support plan has determined that illegal activities are being run on their AWS resources What is the recommended method for the user to report the activity to AWS?

- A. Contact the AWS Concierge Support team.
- B. Contact an AWS technical account manager.
- C. Contact the AWS Abuse team.
- D. Contact the AWS Support team.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 771**

Which AWS service can send an alert when personally identifiable information (PII) is stored within an Amazon S3 bucket?

- A. Amazon GuardDuty
- B. Amazon Macie
- C. Amazon Inspector
- D. AWS Trusted Advisor

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/macie/#:~:text=Macie%20automatically%20detects%20a%20large,addressses%2C%20and%20credit%20card%20numbers>

Amazon Macie is a fully managed data security and data privacy service that uses machine learning and pattern matching to discover and protect your sensitive data in AWS.

As organizations manage growing volumes of data, identifying and protecting their sensitive data at scale can become increasingly complex, expensive, and time-consuming. Amazon Macie automates the discovery of sensitive data at scale and lowers the cost of protecting your data. Macie automatically provides an inventory of Amazon S3 buckets including a list of unencrypted buckets, publicly accessible buckets, and buckets shared with AWS accounts outside those you have defined in AWS Organizations. Then, Macie applies machine learning and pattern matching techniques to the buckets you select to identify and alert you to sensitive data, such as personally identifiable information (PII).

#### QUESTION 772

How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone.
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in an Auto Scaling group.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.betsol.com/blog/how-to-make-high-availability-web-applications-on-amazon-web-services/>

#### QUESTION 773

Using AWS Config to record, audit, and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

- A. Security
- B. Operational excellence
- C. Performance efficiency
- D. Cost optimization

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf) (12)

#### QUESTION 774

Which of the following BEST describe the AWS pricing model? (Choose two.)

- A. Fixed-term
- B. Pay-as-you-go



- C. Colocation
- D. Planned
- E. Variable cost

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://d0.awsstatic.com/whitepapers/aws\\_pricing\\_overview.pdf](https://d0.awsstatic.com/whitepapers/aws_pricing_overview.pdf)

#### QUESTION 775

A user is designing a service to align with the operational excellence pillar of the AWS Well-Architected Framework. Which design principle should the user follow?

- A. Anticipate failure
- B. Make large-scale changes
- C. Perform manual operations
- D. Create static operational procedures

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>



#### QUESTION 776

The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags
- B. estimate savings when comparing the AWS Cloud to an on-premises environment
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:



Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 777**

A company wants to create templates that the company can reuse to deploy multiple AWS resources. Which AWS service or feature can the company use to meet this requirement?

- A. AWS Marketplace
- B. Amazon Machine Image (AMI)
- C. AWS CloudFormation
- D. AWS OpsWorks

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments.

Reference: <https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/best-practices.html>

**QUESTION 778**

Which of the following is entirely the responsibility of AWS, according to the AWS shared responsibility model?

- A. Patching of the guest operating system
- B. Security awareness and training
- C. Physical and environmental controls
- D. Development of an IAM password policy

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibilitymodel/#:~:text=AWS%20responsibility%20%E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services.>

**QUESTION 779**

Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://blog.newrelic.com/engineering/best-cloud-infrastructure-automation-tools/>

**QUESTION 780**

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch

D. Amazon Athena

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Athena is defined as “an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL.” So, it’s another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike Apache Drill, Athena is limited to data only from Amazon’s own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

#### QUESTION 781

A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html>

#### QUESTION 782

According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user’s secret key and access key directly in the application, and upload the file.
- B. Store the IAM user’s secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 783

What does Amazon CloudFront provide?

- A. Automatic scaling for all resources to power an application from a single unified interface
- B. Secure delivery of data, videos, applications, and APIs to users globally with low latency
- C. Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo DNS, geoproximity, and weighted round robin
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, IP addresses, and AWS Lambda functions

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

<https://aws.amazon.com/cloudfront/#:~:text=Amazon%20CloudFront%20is%20a%20fast,within%20a%20developer%2Dfriendly%20environment>

**QUESTION 784**

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Choose two.)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/cloudfront/faqs/>

**QUESTION 785**

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

**QUESTION 786**

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Data centers

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time.

Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

Reference: <https://aws.amazon.com/caching/>

**QUESTION 787**

Which network security features are supported by Amazon VPC? (Choose two.)

- A. Network ACLs

- B. Internet gateways
- C. VPC peering
- D. Security groups
- E. Firewall rules

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

#### QUESTION 788

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 789

A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. AWS Direct Connect
- D. VPC peering

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/aws/user-network-to-amazon-vpc-connectivity-for-applications-hosted-on-aws/>

#### QUESTION 790

Which tasks can be performed by an IAM user that has been granted all of the AWS Identity and Access Management (IAM) permissions that are available? (Choose two.)

- A. Activate IAM access to the AWS Billing and Cost Management console.
- B. Close an AWS account.
- C. Turn on multi-factor authentication (MFA) for non-administrative IAM users.
- D. Change the AWS Support plan.
- E. Delegate access to another AWS account.

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 791**

What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 792**

Which aspect of AWS infrastructure enables global deployment of compute and storage?

- A. Availability Zones
- B. Regions
- C. Tags
- D. Resource groups

**Correct Answer: A**

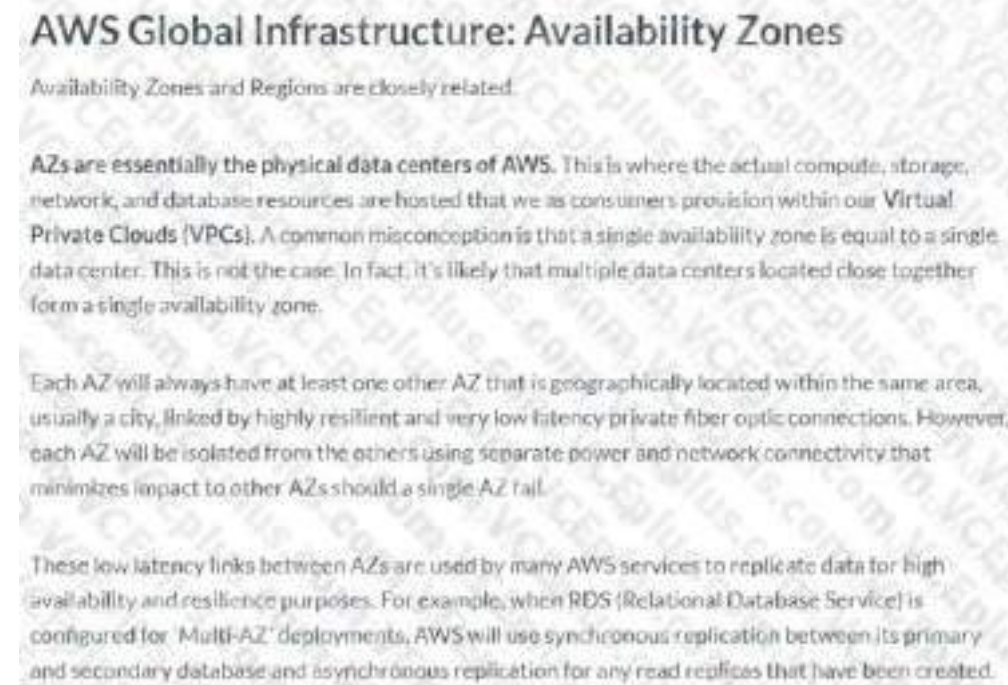
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://cloudacademy.com/blog/aws-global-infrastructure/>

**QUESTION 793**

Which of the following is a recommended design principle of the AWS Well-Architected Framework?

- A. Reduce downtime by making infrastructure changes infrequently and in large increments.
- B. Invest the time to configure infrastructure manually.
- C. Learn to improve from operational failures.
- D. Use monolithic application design for centralization.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Learn from all operational failures: Drive improvement through lessons learned from all operational events and failures.

Share what is learned across teams and through the entire organization.

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf>

#### QUESTION 794

Which of the following can be used to describe infrastructure as code in the AWS Cloud?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CodeDeploy
- D. AWS Amplify

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://containersonaws.com/introduction/infrastructure-ascode/#:~:text=Infrastructure%20as%20code%20is%20the,as%20code%20is%20AWS%20CloudFormation.>

#### QUESTION 795

What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)

- A. Volume discounts
- B. A minimal additional fee for use
- C. One bill for multiple accounts
- D. Installment payment options
- E. Custom cost and usage budget creation

**Correct Answer: CE**

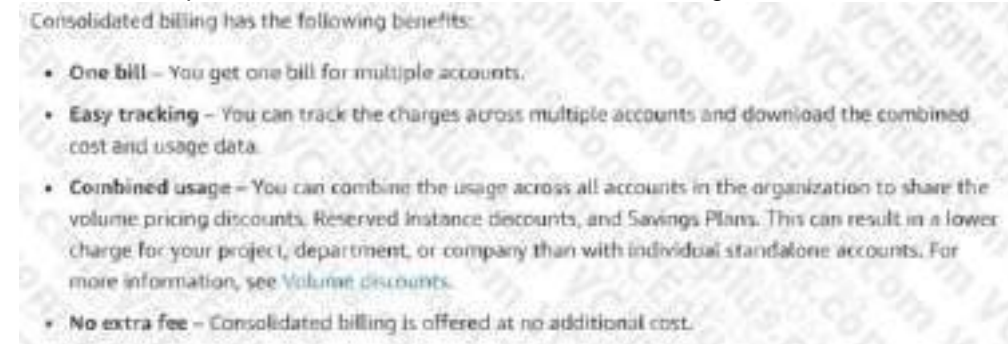
**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>



**QUESTION 796**

Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.amazonaws.cn/en/support/trustedadvisor/faq/#checks>

**QUESTION 797**

Which of the following is the responsibility of AWS?

- A. Setting up AWS Identity and Access Management (IAM) users and groups
- B. Physically destroying storage media at end of life
- C. Patching guest operating systems
- D. Configuring security settings on Amazon EC2 instances

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Media storage devices used to store customer data are classified by AWS as Critical and treated accordingly, as high impact, throughout their life-cycles. AWS has exacting standards on how to install, service, and eventually destroy the devices when they are no longer useful. When a storage device has reached the end of its useful life, AWS decommissions media using techniques detailed in NIST 80088. Media that stored customer data is not removed from AWS control until it has been securely decommissioned. Reference: <https://aws.amazon.com/compliance/data-center/controls/>

**QUESTION 798**

A company must process a large amount of data from social media accounts by making graphical queries with high throughput.

Which AWS service will help the company design a cloud architecture that will meet these requirements?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Neptune
- D. Amazon Redshift

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/neptune/>

**QUESTION 799**

Which pillar of the AWS Well-Architected Framework includes the AWS shared responsibility model?

- A. Operational excellence
- B. Performance efficiency
- C. Reliability
- D. Security



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 800**

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon QuickSight

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html>

**QUESTION 801**

Which pillar of the AWS Well-Architected Framework specifies that resources be provisioned in a timely manner and scale as needed to maintain effectiveness as demand changes?

- A. Cost optimization
- B. Security
- C. Operational excellence
- D. Performance efficiency

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf> (24)

**QUESTION 802**

An IT department provisions more servers than are needed to run a workload.  
Which cloud architecture design principle supports changing this approach?

- A. Protect data in transit and at rest.
- B. Stop guessing capacity.
- C. Improve through game days.
- D. Annotate documentation.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 803**

An Elastic Load Balancer allows the distribution of web traffic across multiple:

- A. AWS Regions.
- B. Availability Zones.
- C. Dedicated Hosts.
- D. Amazon S3 buckets.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

#### QUESTION 804

What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Choose two.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html>

#### QUESTION 805

Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 806

What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

## Availability Zones

An Availability Zone (AZ) is one or more discrete data centers with redundant power, networking, and connectivity in an AWS Region. AZs give customers the ability to operate production applications and databases that are more highly available, fault tolerant, and scalable than would be possible from a single data center. All AZs in an AWS Region are interconnected with high-bandwidth, low-latency networking, over fully redundant, dedicated metro fiber providing high-throughput, low-latency networking between AZs. All traffic between AZs is encrypted. The network performance is sufficient to accomplish synchronous replication between AZs. AZs make partitioning applications for high availability easy. If an application is partitioned across AZs, companies are better isolated and protected from issues such as power outages, lightning strikes, tornadoes, earthquakes, and more. AZs are physically separated by a meaningful distance, many kilometers, from any other AZ, although all are within 100 km (60 miles) of each other.

### QUESTION 807

If a user has an AWS account with an Enterprise-level AWS Support plan, who is the primary point of contact for billing or account inquiries?

- A. Solutions architect
- B. AWS Concierge Support team
- C. An AWS Marketplace seller
- D. AWS Partner Network (APN) partner

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 808

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 809

Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Organizations
- D. Consolidated billing

**Correct Answer: B**

**Section: (none)**

**Explanation****Explanation/Reference:**

Explanation:

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time. Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

**QUESTION 810**

Which AWS services or features help decrease network latency for a globally dispersed user base? (Choose two.)

- A. Amazon VPC
- B. Elastic Load Balancer
- C. Amazon CloudFront
- D. AWS Direct Connect
- E. AWS Global Accelerator

**Correct Answer:** BD

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/>



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**QUESTION 811**

Which scenarios represent the concept of elasticity on AWS? (Choose two.)

- A. Scaling the number of Amazon EC2 instances based on traffic.
- B. Resizing Amazon RDS instances as business needs change.
- C. Automatically directing traffic to less-utilized Amazon EC2 instances.
- D. Using AWS compliance documents to accelerate the compliance process.
- E. Having the ability to create and govern environments using code.

**Correct Answer:** AB

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

**Implement elasticity**

- Identify the workloads that have variable load.
- Identify the workload load range. That is, is there enough variability to warrant adding or removing resources?
- Identify the application limitations (sessions, long initialization, licensing, etc.) that may limit elasticity.
- Identify if the increase in demand can be met by automatic scaling, or if it needs to be in place before (for events, launches, etc.).
- Identify applications that can use Amazon Athena or Amazon Aurora Serverless
- Implement elasticity using AWS Auto Scaling or Application Auto Scaling for the aspects of your service that are not elastic by design.
- Test elasticity both up and down, ensuring it will meet requirements for load variance.
- Iterate on implementation and testing until you can meet requirements. You may want to investigate golden Amazon Machine Images, docker containers, etc. to speed launch.

**QUESTION 812**

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone
- D. Distribute the compute load across multiple resources

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)

**QUESTION 813**

Which of the following is a characteristic of the AWS account root user?

- A. The root user is the only user that can be configured with multi-factor authentication (MFA).
- B. The root user is the only user that can access the AWS Management Console.
- C. The root user is the first sign-in identity that is available when an AWS account is created.
- D. The root user has a password that cannot be changed.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_root-user.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html)

**QUESTION 814**

An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season. Which advantages of moving to the AWS Cloud would MOST benefit the company? (Choose two.)

- A. Global footprint
- B. Elasticity
- C. AWS service quotas
- D. AWS shared responsibility model
- E. Pay-as-you-go pricing

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

**QUESTION 815**

Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/>

**QUESTION 816**

A company needs to use AWS Identity and Access Management (IAM) to attach an IAM policy to all IAM users in an AWS account. Which solution meets this requirement?

- A. Attach the IAM policy to each IAM user.
- B. Attach the IAM policy to the IAM group containing all the IAM users.
- C. Attach the IAM policy to the IAM role containing all the IAM users.
- D. Apply the IAM policy to the entire AWS account.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



Explanation:  
Use IAM roles to delegate access within or between AWS accounts.  
Reference: <https://aws.amazon.com/iam/faqs/>

**QUESTION 817**

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS Batch
- D. AWS Config

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: <https://aws.amazon.com/products/management-and-governance/use-cases/provisioning-and-orchestration/>

**QUESTION 818**

A user deploys an Amazon RDS DB instance in multiple Availability Zones.  
This strategy involves which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Reliability
- C. Cost optimization
- D. Security

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 819**

Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC
- D. Amazon API Gateway

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:  
Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

**QUESTION 820**

Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

- A. Managing edge locations
- B. Physical security



- C. Firewall configuration
- D. Global infrastructure

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 821

Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

#### QUESTION 822

What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 823

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Choose two.)

- A. AWS automatically distributes the data globally for higher durability.
- B. AWS will take care of operating the application.
- C. AWS makes it easy to architect for high availability.
- D. AWS can easily accommodate application demand changes.
- E. AWS takes care application security patching.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 824

Which of the following is an important architectural principle when designing cloud applications?

- A. Store data and backups in the same region.
- B. Design tightly coupled system components.
- C. Avoid multi-threading.
- D. Design for failure.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

There are six design principles for operational excellence in the cloud:

Perform operations as code

Annotate documentation

Make frequent, small, reversible changes

Refine operations procedures frequently

Anticipate failure

Learn from all operational failures

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 825

Which features and benefits does the AWS Organizations service provide? (Choose two.)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/organizations/>

#### QUESTION 826

The AWS IAM best practice for granting least privilege is to:

- A. apply an IAM policy to an IAM group and limit the size of the group.
- B. require multi-factor authentication (MFA) for all IAM users.
- C. require each IAM user who has different permissions to have multiple passwords.
- D. apply an IAM policy only to IAM users who require it.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://kirkpatrickprice.com/blog/best-practices-for-privilege-management-in-aws/>

#### QUESTION 827

Which methods can be used to identify AWS costs by departments? (Choose two.)

- A. Enable multi-factor authentication for the AWS account root user.

- B. Create separate accounts for each department.
- C. Use Reserved Instances whenever possible.
- D. Use tags to associate each instance with a particular department.
- E. Pay bills using purchase orders.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 828

A company's solutions architect wants to provision a few Amazon EC2 instances in an existing AWS account. The company requires a cost estimate before the company can approve the request. Which AWS tool should the solutions architect use to produce the cost estimate?

- A. AWS Pricing Calculator
- B. Cost Explorer
- C. AWS Cost and Usage Report
- D. AWS Budgets

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Cost and Usage Reports tracks your AWS usage and provides estimated charges associated with your account.

Reference: <https://docs.aws.amazon.com/cur/latest/userguide/what-is-cur.html>

#### QUESTION 829

A user needs to identify underutilized Amazon Elastic Block Store (Amazon EBS) volumes to reduce costs. Which AWS service or feature will meet this requirement?

- A. AWS CloudTrail
- B. AWS Budgets
- C. AWS Trusted Advisor
- D. AWS Personal Health Dashboard

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-storage-optimization/optimizing-amazon-ebsstorage.html>

#### QUESTION 830

Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster?

- A. AWS Concierge
- B. AWS CloudFormation
- C. Amazon Simple Storage Service (Amazon S3)
- D. Amazon EC2 Auto Scaling
- E. AWS Management Console

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 831**

Which principles are used to architect applications for reliability on the AWS Cloud? (Choose two.)

- A. Design for automated failure recovery
- B. Use multiple Availability Zones
- C. Manage changes via documented processes
- D. Test for moderate demand to ensure reliability
- E. Backup recovery to an on-premises environment

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>



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**QUESTION 832**

Which security credentials are required to run commands by using the AWS Command Line Interface (AWS CLI)?

- A. Access Key ID and Secret Access Key
- B. AWS root user email and password
- C. Amazon Elastic Compute Cloud (Amazon EC2) key pairs
- D. AWS Identity and Access Management (IAM) user name and password

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html>

**QUESTION 833**

A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances. Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API. Reference: <https://aws.amazon.com/inspector/>

**QUESTION 834**

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

**Correct Answer:** DE  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 835**

Which services are parts of the AWS serverless platform?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:  
AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.  
Reference: <https://aws.amazon.com/serverless/>

**QUESTION 836**

Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

**Correct Answer:** AD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>**QUESTION 837**

Which of the following are characteristics of Amazon S3? (Choose two.)

- A. A global file system
- B. An object store
- C. A local file store
- D. A network file system
- E. A durable storage system

**Correct Answer:** BE**Section:** (none)**Explanation****Explanation/Reference:****QUESTION 838**

A company has an application workload that is stateless by design and can sustain occasional downtime. The application performs massively parallel computations.

Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Instances

**Correct Answer:** B**Section:** (none)**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://developer.ibm.com/recipes/tutorials/making-the-most-of-aws-spot-instances-5-best-practices/>**QUESTION 839**

Which of the following security-related aspects of running an Amazon Elastic Compute Cloud (Amazon EC2) instance is the responsibility of AWS?

- A. Security of private keys
- B. Hypervisor software updates
- C. Security updates to software running on the instance
- D. Policies controlling instance access

**Correct Answer:** B**Section:** (none)**Explanation****Explanation/Reference:****QUESTION 840**

A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any impaired instances are replaced with new ones.

Which AWS service should the solutions architect use?

- A. Amazon Elastic Container Service (Amazon ECS)
- B. Amazon GuardDuty
- C. AWS Shield

D. AWS Auto Scaling

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/ec2/autoscaling/faqs/>

**QUESTION 841**

A company's newly launched application is gaining in popularity very quickly. To improve customer service, the company wants to set up a phone number to manage the increasing volume of calls received by the company's support staff. Which AWS service should be used to meet this requirement?

- A. Amazon Connect
- B. Amazon CloudFront
- C. Amazon DirectConnect
- D. AWS Trusted Advisor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/connect/latest/adminguide/contact-center-phone-number.html>



**QUESTION 842**

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts. Which AWS service should the company use to achieve this goal?

- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/guardduty/>

**QUESTION 843**

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. Amazon Macie



D. AWS Shield

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/macie/>

**QUESTION 844**

Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 845**

A company is designing a new application that will store and retrieve millions of photos and videos. Which AWS service or feature can provide the underlying storage at the LOWEST cost?

- A. Amazon EC2 instance store
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3
- D. Amazon Simple Queue Service (Amazon SQS)

**Correct Answer:** A

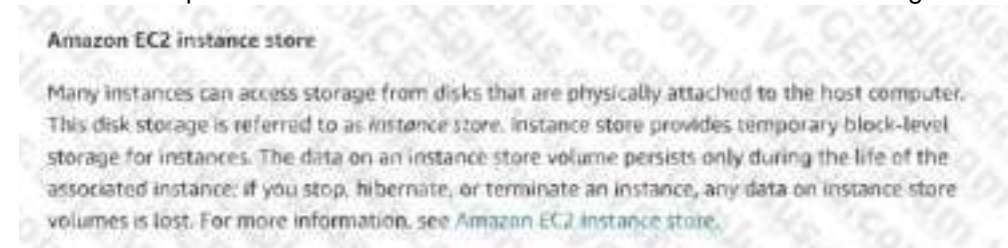
**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Storage.html>



**QUESTION 846**

Which disaster recovery option is the LEAST expensive?

- A. Warm standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 847**

How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

**QUESTION 848**

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

**QUESTION 849**

Which AWS services can use AWS WAF to protect against common web exploitations? (Choose two.)

- A. Amazon Route 53
- B. Amazon CloudFront
- C. AWS Transfer Family
- D. AWS Site-to-Site VPN
- E. Amazon API Gateway

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/waf/>

**QUESTION 850**

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

#### QUESTION 851

A company has enabled billing alerts in its AWS account and wants to receive a notification through Amazon Simple Notification Service (Amazon SNS) whenever its monthly bill exceeds a set amount. Which AWS service or tool should the company use to achieve this?

- A. Amazon CloudWatch
- B. Cost Explorer
- C. AWS Cost and Usage Report
- D. AWS Pricing Calculator

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

#### QUESTION 852

AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 853

Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB
- E. Amazon Redshift

**Correct Answer:** AD

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 854**

What does it mean to grant least privilege to AWS IAM users?

- A. It is granting permissions to a single user only.
- B. It is granting permissions using AWS IAM policies only.
- C. It is granting AdministratorAccess policy permissions to trustworthy users.
- D. It is granting only the permissions required to perform a given task.

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

**QUESTION 855**

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources need to refactor the application, but management wants to reduce operational overhead as part of the migration.

Which database service would MOST effectively support these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL Server

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 856**

Which services can be used across hybrid AWS Cloud architectures? (Choose two.)

- A. Amazon Route 53
- B. Virtual Private Gateway
- C. Classic Load Balancer
- D. Auto Scaling
- E. Amazon CloudWatch default metrics

**Correct Answer:** AB

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

Reference: <https://www.stratoscale.com/blog/cloud/building-hybrid-cloud-environment-using-amazon-cloud/>

**QUESTION 857**

What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>

#### QUESTION 858

Which AWS service is a continuous delivery and deployment solution?

- A. AWS AppSync
- B. AWS CodePipeline
- C. AWS Cloud9
- D. AWS CodeCommit

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Continuous delivery, its benefits, and how to implement it using AWS CodePipeline and AWS CodeBuild. Reference:

<https://aws.amazon.com/devops/continuous-delivery/>

#### QUESTION 859

Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

- A. Spot Instance
- B. On-Demand Instance
- C. Partial Upfront Reserved Instance
- D. No Upfront Reserved Instance

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

## Payment options

The following payment options are available for Reserved Instances:

- **All Upfront:** Full payment is made at the start of the term, with no other costs or additional hourly charges incurred for the remainder of the term, regardless of hours used.
- **Partial Upfront:** A portion of the cost must be paid upfront and the remaining hours in the term are billed at a discounted hourly rate, regardless of whether the Reserved Instance is being used.
- **No Upfront:** You are billed a discounted hourly rate for every hour within the term, regardless of whether the Reserved Instance is being used. No upfront payment is required.

### QUESTION 860

Which of the following is an advantage of using AWS?

- A. AWS audits user data.
- B. Data is automatically secure.
- C. There is no guessing on capacity needs.
- D. AWS manages compliance needs.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AWS manages dozens of compliance programs in its infrastructure. This means that segments of your compliance have already been completed.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/security-and-compliance.html>

### QUESTION 861

Which of the following is an AWS-managed compute service?

- A. Amazon SWF
- B. Amazon EC2
- C. AWS Lambda
- D. Amazon Aurora

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 862

Which AWS service can be used to track resource changes and establish compliance?

- A. Amazon CloudWatch

- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

**QUESTION 863**

How can one AWS account use Reserved Instances from another AWS account?

- A. By using Amazon EC2 Dedicated Instances
- B. By using AWS Organizations consolidated billing
- C. By using the AWS Cost Explorer tool
- D. By using AWS Budgets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The account that originally purchased the Reserved Instance receives the discount first. If the purchasing account doesn't have any instances that match the terms of the Reserved Instance, the discount for the Reserved Instance is assigned to any matching usage on another account in the organization.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

**QUESTION 864**

Which AWS services or features enable users to connect on-premises networks to a VPC? (Choose two.)

- A. AWS VPN
- B. Elastic Load Balancing
- C. AWS Direct Connect
- D. VPC peering
- E. Amazon CloudFront

**Correct Answer:** AD

**Section:** (none)

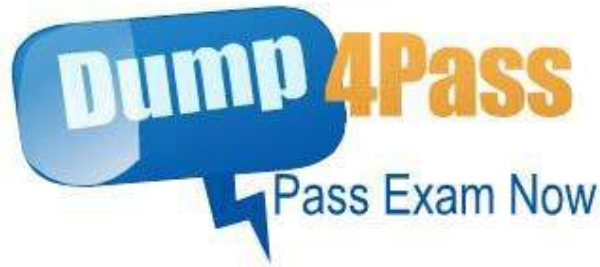
**Explanation**

**Explanation/Reference:**

Explanation:

Reference: <https://aws.amazon.com/vpn/faqs/>





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**QUESTION 1**

Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 2**

The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

- A. Cost allocation tags
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/startups/how-to-set-aws-budget-when-paying-with-aws-credits/>

**QUESTION 3**

Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

- A. Amazon Glacier
- B. AWS Storage Gateway
- C. Amazon S3
- D. Amazon EBS

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/s3/faqs/>

**QUESTION 4**

What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty practice areas?

- A. AWS Enterprise Support
- B. AWS Solutions Architects
- C. AWS Professional Services
- D. AWS Account Managers

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/professional-services/>

#### **QUESTION 5**

A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house.

Which of the following AWS programs can a customer take advantage of to achieve that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 6**

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation.
- B. Design for agility.
- C. Design for failure.
- D. Implement elasticity.

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

Which AWS services can host a Microsoft SQL Server database? (Choose two.)

- A. Amazon EC2
- B. Amazon Relational Database Service (Amazon RDS)
- C. Amazon Aurora
- D. Amazon Redshift
- E. Amazon S3

**Correct Answer: AB**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/sql/>

#### **QUESTION 8**

Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

- A. Spot Instances
- B. Reserved Instances
- C. Dedicated Hosts
- D. On-Demand Instances

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/>

#### **QUESTION 10**

Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Choose two.)

- A. High availability
- B. Shared security model
- C. Elasticity
- D. Pay-as-you-go pricing
- E. Reliability

**Correct Answer: CD**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 11**

Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. AWS Health

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 12**

Which of the following are characteristics of Amazon S3? (Choose two.)

- A. A global file system
- B. An object store
- C. A local file store
- D. A network file system
- E. A durable storage system

**Correct Answer:** BE

**Explanation****Explanation/Reference:****QUESTION 13**

Which services can be used across hybrid AWS Cloud architectures? (Choose two.)

- A. Amazon Route 53
- B. Virtual Private Gateway
- C. Classic Load Balancer
- D. Auto Scaling
- E. Amazon CloudWatch default metrics

**Correct Answer:** AB

**Explanation****Explanation/Reference:**

Reference: <https://www.stratoscale.com/blog/cloud/building-hybrid-cloud-environment-using-amazon-cloud/>

**QUESTION 14**

What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

**Correct Answer:** C

**Explanation****Explanation/Reference:****QUESTION 15**

A company is considering using AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes.

Which service should the company use?

- A. Amazon Redshift

- B. Amazon DynamoDB
- C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store
- D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

#### QUESTION 16

Which of the following is a correct relationship between regions, Availability Zones, and edge locations?

- A. Data centers contain regions.
- B. Regions contain Availability Zones.
- C. Availability Zones contain edge locations.
- D. Edge locations contain regions.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/#Region\\_Maps\\_and\\_Edge\\_Networks](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/#Region_Maps_and_Edge_Networks)

#### QUESTION 17

Which AWS tools assist with estimating costs? (Choose three.)

- A. Detailed billing report
- B. Cost allocation tags
- C. AWS Simple Monthly Calculator
- D. AWS Total Cost of Ownership (TCO) Calculator
- E. Cost Estimator

**Correct Answer:** BCD

**Explanation**

**Explanation/Reference:**

#### QUESTION 18

Which of the following are advantages of AWS consolidated billing? (Choose two.)

- A. The ability to receive one bill for multiple accounts
- B. Service limits increasing by default in all accounts
- C. A fixed discount on the monthly bill
- D. Potential volume discounts, as usage in all accounts is combined
- E. The automatic extension of the master account's AWS support plan to all accounts

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 19**

Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On-Demand pricing?

- A. One-year, No Upfront, Standard RI pricing
- B. One-year, All Upfront, Convertible RI pricing
- C. Three-year, All Upfront, Standard RI pricing
- D. Three-year, No Upfront, Convertible RI pricing

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

**QUESTION 20**

Compared with costs in traditional and virtualized data centers, AWS has:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.
- D. lower variable costs and lower upfront costs.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://d1.awsstatic.com/whitepapers/introduction-to-aws-cloud-economics-final.pdf> (10)

**QUESTION 21**

A characteristic of edge locations is that they:

- A. host Amazon EC2 instances closer to users.
- B. help lower latency and improve performance for users.
- C. cache frequently changing data without reaching the origin server.
- D. refresh data changes daily.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

**QUESTION 22**

Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Correct Answer: C**

**Explanation**



**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/security/how-to-restrict-amazon-s3-bucket-access-to-a-specific-iam-role/>

**QUESTION 23**

Which of the following security-related actions are available at no cost?

- A. Calling AWS Support
- B. Contacting AWS Professional Services to request a workshop
- C. Accessing forums, blogs, and whitepapers
- D. Attending AWS classes at a local university

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 24**

Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

- A. Dedicated RIs
- B. Scheduled RIs
- C. Convertible RIs
- D. Standard RIs

**Correct Answer: C**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/>

**QUESTION 25**

Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- A. Shared responsibility security model
- B. Single tenancy
- C. Elastic computing
- D. Encryption

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 26**

Which of the following services will automatically scale with an expected increase in web traffic?

- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/elasticloadbalancing/>

**QUESTION 27**

Where are AWS compliance documents, such as an SOC 1 report, located?

- A. Amazon Inspector
- B. AWS CloudTrail
- C. AWS Artifact
- D. AWS Certificate Manager

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/soc-faqs/>

**QUESTION 28**

Under the AWS shared responsibility model, which of the following activities are the customer's responsibility? (Choose two.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

**Correct Answer: BD**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 29**

Which is a recommended pattern for designing a highly available architecture on AWS?

- A. Ensure that components have low-latency network connectivity.
- B. Run enough Amazon EC2 instances to operate at peak load.
- C. Ensure that the application is designed to accommodate failure of any single component.
- D. Use a monolithic application that handles all operations.

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 30**

According to best practices, how should an application be designed to run in the AWS Cloud?

- A. Use tightly coupled components.
- B. Use loosely coupled components.

- C. Use infrequently coupled components.
- D. Use frequently coupled components.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

**QUESTION 31**

AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Choose two.)

- A. Implementing Amazon Rekognition
- B. Using AWS Shield-protected resources
- C. Blocking access with Security Groups
- D. Using Multi-Factor Authentication (MFA)
- E. Enforcing password strength and expiration

**Correct Answer: DE**

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

Which AWS services should be used for read/write of constantly changing data? (Choose two.)

- A. Amazon Glacier
- B. Amazon RDS
- C. AWS Snowball
- D. Amazon Redshift
- E. Amazon EFS

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- A. It simplifies relational database administration tasks.
- B. It provides 99.9999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enabled users to dynamically adjust CPU and RAM resources.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

A customer needs to run a MySQL database that easily scales.

Which AWS service should they use?

- A. Amazon Aurora
- B. Amazon Redshift
- C. Amazon DynamoDB
- D. Amazon ElastiCache

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/rds/aurora/serverless/>

#### **QUESTION 35**

Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

- A. Availability Zone
- B. Edge location
- C. Region
- D. Private networking

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

#### **QUESTION 36**

Which of the following is a shared control between the customer and AWS?

- A. Providing a key for Amazon S3 client-side encryption
- B. Configuration of an Amazon EC2 instance
- C. Environmental controls of physical AWS data centers
- D. Awareness and training

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 37**

How many Availability Zones should compute resources be provisioned across to achieve high availability?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three
- D. A minimum of four or more

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

- A. it allows the business to eliminate IT bills.
- B. it allows the business to put a server in each customer's data center.
- C. it allows the business to focus on business activities.
- D. it allows the business to leave servers unpatched.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 39**

What is the lowest-cost, durable storage option for retaining database backups for immediate retrieval?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EC2 Instance Store

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 40**

Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

- A. API keys
- B. Access keys
- C. User names/Passwords
- D. SSH keys

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**QUESTION 41**

Which of the following is a fast and reliable NoSQL database service?

- A. Amazon Redshift
- B. Amazon RDS
- C. Amazon DynamoDB
- D. Amazon S3

**Correct Answer: C**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/dynamodb/>

### QUESTION 42

What is an example of agility in the AWS Cloud?

- A. Access to multiple instance types
- B. Access to managed services
- C. Using Consolidated Billing to produce one bill
- D. Decreased acquisition time for new compute resources

**Correct Answer: D**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/blogs/enterprise-strategy/risk-is-lack-of-agility/>

### QUESTION 43

Which service should a customer use to consolidate and centrally manage multiple AWS accounts?

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool
- D. AWS Config

**Correct Answer: B**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/organizations/>

### QUESTION 44

What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

- A. Using many instances in parallel
- B. Using a single large instance during off-peak hours
- C. Using dedicated hardware
- D. Using a large GPU instance type

**Correct Answer: A**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/solutions/case-studies/encoding/>

### QUESTION 45

For which auditing process does AWS have sole responsibility?

- A. AWS IAM policies
- B. Physical security
- C. Amazon S3 bucket policies
- D. AWS CloudTrail Logs

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

- A. Fault tolerance
- B. Global reach
- C. Pay-as-you-go pricing
- D. High availability

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 47**

Which of the following is the customer's responsibility under the AWS shared responsibility model?

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 48**

A customer is using multiple AWS accounts with separate billing.

How can the customer take advantage of volume discounts with minimal impact to the AWS resources?

- A. Create one global AWS account and move all AWS resources to that account.
- B. Sign up for three years of Reserved Instance pricing up front.
- C. Use the consolidated billing feature from AWS Organizations.
- D. Sign up for the AWS Enterprise support plan to get volume discounts.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

**QUESTION 49**

Which of the following are features of Amazon CloudWatch Logs? (Choose two.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)



- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

**Correct Answer:** DE

**Explanation**

**Explanation/Reference:**

#### **QUESTION 50**

Which of the following is an AWS managed Domain Name System (DNS) web service?

- A. Amazon Route 53
- B. Amazon Neptune
- C. Amazon SageMaker
- D. Amazon Lightsail

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/tutorials/get-a-domain/>

#### **QUESTION 51**

A customer is deploying a new application and needs to choose an AWS Region.

Which of the following factors could influence the customer's decision? (Choose two.)

- A. Reduced latency to users
- B. The application's presentation in the local language
- C. Data sovereignty compliance
- D. Cooling costs in hotter climates
- E. Proximity to the customer's office for on-site visits

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

#### **QUESTION 52**

Which storage service can be used as a low-cost option for hosting static websites?

- A. Amazon Glacier
- B. Amazon DynamoDB
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Simple Storage Service (Amazon S3)

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/projects/host-static-website/>

**QUESTION 53**

Which Amazon EC2 instance pricing model can provide discounts of up to 90%?

- A. Reserved Instances
- B. On-Demand
- C. Dedicated Hosts
- D. Spot Instances

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/spot/>

**QUESTION 54**

What is the AWS customer responsible for according to the AWS shared responsibility model?

- A. Physical access controls
- B. Data encryption
- C. Secure disposal of storage devices
- D. Environmental risk management

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 55**

Which of the following AWS Cloud services can be used to run a customer-managed relational database?

- A. Amazon EC2
- B. Amazon Route 53
- C. Amazon ElastiCache
- D. Amazon DynamoDB

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

A company is looking for a scalable data warehouse solution.

Which of the following AWS solutions would meet the company's needs?

- A. Amazon Simple Storage Service (Amazon S3)
- B. Amazon DynamoDB
- C. Amazon Kinesis
- D. Amazon Redshift

**Correct Answer: D**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/redshift/>

### QUESTION 57

Which statement best describes Elastic Load Balancing?

- A. It translates a domain name into an IP address using DNS.
- B. It distributes incoming application traffic across one or more Amazon EC2 instances.
- C. It collects metrics on connected Amazon EC2 instances.
- D. It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

**Correct Answer: B**

## Explanation

### Explanation/Reference:

Reference: <https://aws.amazon.com/elasticloadbalancing/>

### QUESTION 58

Which of the following are valid ways for a customer to interact with AWS services? (Choose two.)

- A. Command line interface
- B. On-premises
- C. Software Development Kits
- D. Software-as-a-service
- E. Hybrid

**Correct Answer: AC**

## Explanation

### Explanation/Reference:

### QUESTION 59

The AWS Cloud's multiple Regions are an example of:

- A. agility.
- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

**Correct Answer: B**

## Explanation

### Explanation/Reference:

### QUESTION 60

Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Choose two.)

- A. AWS Storage Gateway
- B. Amazon S3
- C. Amazon Elastic File System (EFS)

- D. Amazon Glacier
- E. Amazon CloudFront

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>  
<https://aws.amazon.com/cloudfront/>

#### QUESTION 61

Web servers running on Amazon EC2 access a legacy application running in a corporate data center.

What term would describe this model?

- A. Cloud-native
- B. Partner network
- C. Hybrid architecture
- D. Infrastructure as a service

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/enterprise/hybrid/>

#### QUESTION 62

What is the benefit of using AWS managed services, such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- A. They require the customer to monitor and replace failing instances.
- B. They have better performance than customer-managed services.
- C. They simplify patching and updating underlying OSs.
- D. They do not require the customer to optimize instance type or size selections.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

#### QUESTION 63

Which service provides a virtually unlimited amount of online highly durable object storage?

- A. Amazon Redshift
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon S3

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/what-is-cloud-object-storage/>

**QUESTION 64**

Which of the following Identity and Access Management (IAM) entities is associated with an access key ID and secret access key when using AWS Command Line Interface (AWS CLI)?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**QUESTION 65**

Which of the following security-related services does AWS offer? (Choose two.)

- A. Multi-factor authentication physical tokens
- B. AWS Trusted Advisor security checks
- C. Data encryption
- D. Automated penetration testing
- E. Amazon S3 copyrighted content detection

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/security/>

**QUESTION 66**

Which AWS managed service is used to host databases?

- A. AWS Batch
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon RDS

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks such as hardware provisioning, database setup, patching and backups. It frees you to focus on your applications so you can give them the fast performance, high availability, security and compatibility they need.

Reference: <https://aws.amazon.com/rds/?c=db&sec=srv>

**QUESTION 67**

Which AWS service provides a simple and scalable shared file storage solution for use with Linux-based AWS and on-premises servers?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EFS

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Elastic File System (Amazon EFS) provides a simple, scalable, fully managed elastic NFS file system for use with AWS Cloud services and on-premises resources. It is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files, eliminating the need to provision and manage capacity to accommodate growth.

Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads. For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

#### QUESTION 68

When architecting cloud applications, which of the following are a key design principle?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

Cloud services main proposition is to provide elasticity through horizontal scaling. It's already there. As for using largest instance possible, it is not a design principle that helps cloud applications in anyway. Scrum development process is not related to architecting. Therefore, a key principle is to provision your application for on-demand capacity. Peak loads is something that cloud applications experience everyday. Peak load management should be a necessary part of cloud application design principle.

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

#### QUESTION 69

Which AWS service should be used for long-term, low-cost storage of data backups?

- A. Amazon RDS
- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation

Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup. Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.

Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases. Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from tamper proof physical devices. Similarly, Elastic block storage offers persistent block storage volumes for EC2 instances.

Reference: <https://aws.amazon.com/backup-restore/services/>

#### QUESTION 70

Under the shared responsibility model, which of the following is a shared control between a customer and AWS?

- A. Physical controls
- B. Patch management
- C. Zone security
- D. Data center auditing

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### QUESTION 71

Which AWS service allows companies to connect an Amazon VPC to an on-premises data center?

- A. AWS VPN
- B. Amazon Redshift
- C. API Gateway
- D. Amazon Connect

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Direct Connect enables you to securely connect your AWS environment to your on-premises data center or office location over a standard 1 gigabit or 10 gigabit Ethernet fiber-optic connection. AWS Direct Connect offers dedicated high speed, low latency connection, which bypasses internet service providers in your network path. An AWS Direct Connect location provides access to Amazon Web Services in the region it is associated with, as well as access to other US regions. AWS Direct Connect allows you to logically partition the fiber-optic connections into multiple logical connections called Virtual Local Area Networks (VLAN). You can take advantage of these logical connections to improve security, differentiate traffic, and achieve compliance requirements.

Reference: <https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

#### QUESTION 72

A company wants to reduce the physical compute footprint that developers use to run code.

Which service would meet that need by enabling serverless architectures?

- A. Amazon Elastic Compute Cloud (Amazon EC2)



- B. AWS Lambda
- C. Amazon DynamoDB
- D. AWS CodeCommit

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Lambda is an integral part of coding on AWS. It reduces physical compute footprint by utilizing aws cloud services to run code.

#### **QUESTION 73**

Which AWS service provides alerts when an AWS event may impact a company's AWS resources?

- A. AWS Personal Health Dashboard
- B. AWS Service Health Dashboard
- C. AWS Trusted Advisor
- D. AWS Infrastructure Event Management

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. While the Service Health Dashboard displays the general status of AWS services, Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources.

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

#### **QUESTION 74**

Which of the following are categories of AWS Trusted Advisor? (Choose two.)

- A. Fault Tolerance
- B. Instance Usage
- C. Infrastructure
- D. Performance
- E. Storage Capacity

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Explanation:

Like your customized cloud expert, AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations in five categories: cost optimization, performance, security, fault tolerance and service limits.

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

#### **QUESTION 75**

Which task is AWS responsible for in the shared responsibility model for security and compliance?

- A. Granting access to individuals and services

- B. Encrypting data in transit
- C. Updating Amazon EC2 host firmware
- D. Updating operating systems

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Compliance enables customers to establish and operate in an AWS security control environment

The shared responsibility model is part of AWS Compliance program

The Security of the cloud is managed by Amazon AWS provider

The Security in the cloud is responsibility of the customer

The customer is responsible for their information and data, their secure transmission, integrity, and encryption

Also, the customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2

AWS customers retain control and ownership of their data

The AWS network provides significant protection against traditional network security issues and the customer can implement further protection

#### **QUESTION 76**

Where should a company go to search software listings from independent software vendors to find, test, buy and deploy software that runs on AWS?

- A. AWS Marketplace
- B. Amazon Lumberyard
- C. AWS Artifact
- D. Amazon CloudSearch

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS.

Reference: <https://aws.amazon.com>

#### **QUESTION 77**

Which of the following is a benefit of using the AWS Cloud?

- A. Permissive security removes the administrative burden.
- B. Ability to focus on revenue-generating activities.
- C. Control over cloud network hardware.
- D. Choice of specific cloud hardware vendors.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Developer and IT staff productivity accounted for nearly 30% of overall financial benefits. The remaining benefits were driven by the flexibility and agility of Amazon cloud infrastructure services, which make it easier to trial new business models, support revenue-generating applications, and provide more reliable services to end users.

Reference: [https://media.amazonwebservices.com/IDC\\_Business\\_Value\\_of\\_AWS\\_Accelerates\\_Over\\_time.pdf](https://media.amazonwebservices.com/IDC_Business_Value_of_AWS_Accelerates_Over_time.pdf)

#### QUESTION 78

When performing a cost analysis that supports physical isolation of a customer workload, which compute hosting model should be accounted for in the Total Cost of Ownership (TCO)?

- A. Dedicated Hosts
- B. Reserved Instances
- C. On-Demand Instances
- D. No Upfront Reserved Instances

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

Use Dedicated Hosts to launch Amazon EC2 instances on physical servers that are dedicated for your use. Dedicated Hosts give you additional visibility and control over how instances are placed on a physical server, and you can reliably use the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses like Windows Server and address corporate compliance and regulatory requirements.

#### QUESTION 79

Which AWS service provides the ability to manage infrastructure as code?

- A. AWS CodePipeline
- B. AWS CodeDeploy
- C. AWS Direct Connect
- D. AWS CloudFormation

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This file serves as the single source of truth for your cloud environment.

Reference: <https://aws.amazon.com/cloudformation/>

#### QUESTION 80

If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

- A. AWS Config
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference: <https://aws.amazon.com/config/>

#### QUESTION 81

What is Amazon CloudWatch?

- A. A code repository with customizable build and team commit features.
- B. A metrics repository with customizable notification thresholds and channels.
- C. A security configuration repository with threat analytics.
- D. A rule repository of a web application firewall with automated vulnerability prevention features.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon CloudWatch is basically a metrics repository. An AWS service — such as Amazon EC2 — puts metrics into the repository, and you retrieve statistics based on those metrics. If you put your own custom metrics into the repository, you can retrieve statistics on these metrics as well.

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch\\_architecture.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch_architecture.html)

#### QUESTION 82

Which service allows a company with multiple AWS accounts to combine its usage to obtain volume discounts?

- A. AWS Server Migration Service
- B. AWS Organizations
- C. AWS Budgets
- D. AWS Trusted Advisor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master account that pays the charges of all the member accounts.

Consolidated billing has the following benefits:

One bill – You get one bill for multiple accounts.

Easy tracking – You can track the charges across multiple accounts and download the combined cost and usage data.

Combined usage – You can combine the usage across all accounts in the organization to share the volume pricing discounts and Reserved Instance discounts. This can result in a lower charge for your project, department, or company than with individual standalone accounts. For more information, see Volume Discounts.

No extra fee – Consolidated billing is offered at no additional cost.

**QUESTION 83**

Which of the following services could be used to deploy an application to servers running on-premises? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS OpsWorks
- C. AWS CodeDeploy
- D. AWS Batch
- E. AWS X-Ray

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/codedeploy/latest/userguide/instances-on-premises.html>  
<https://aws.amazon.com/blogs/aws/opsworks-on-prem-and-existing-instances/>

**QUESTION 84**

Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

In the new model, the Spot prices are more predictable, updated less frequently, and are determined by supply and demand for Amazon EC2 spare capacity, not bid prices.

Reference: <https://aws.amazon.com/blogs/compute/new-amazon-ec2-spot-pricing/>

**QUESTION 85**

Which design principles for cloud architecture are recommended when re-architecting a large monolithic application? (Choose two.)

- A. Use manual monitoring.
- B. Use fixed servers.
- C. Implement loose coupling.
- D. Rely on individual components.
- E. Design for scalability.

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

Explanation:

Re-architecting applications involves sweeping change where an old monolithic application is completely revamped according to modern microservices architecture. Using individual components to re-architect a big application is one part of the process. The most important part is to design the application for scalability because the level of investment for a monolithic application can only be justified when resilience and scalability

is needed.

Reference: <https://www.architech.ca/re-architect-applications/>

#### **QUESTION 86**

Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### **QUESTION 87**

Where can AWS compliance and certification reports be downloaded?

- A. AWS Artifact
- B. AWS Concierge
- C. AWS Certificate Manager
- D. AWS Trusted Advisor

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

WS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. The AWS SOC 2 report is particularly helpful for completing questionnaires because it provides a comprehensive description of the implementation and operating effectiveness of AWS security controls. Another useful document is the Executive Briefing within the AWS FedRAMP Partner Package.

Reference: <https://aws.amazon.com/compliance/faq/>

#### **QUESTION 88**

Which AWS service provides a customized view of the health of specific AWS services that power a customer's workloads running on AWS?

- A. AWS Service Health Dashboard
- B. AWS X-Ray
- C. AWS Personal Health Dashboard
- D. Amazon CloudWatch

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

Personal Health Dashboard gives you a personalized view of the status of the AWS services that power your applications, enabling you to quickly see when AWS is experiencing issues that may impact you. For example, in the event of a lost EBS volume associated with one of your EC2 instances, you would gain quick visibility

into the status of the specific service you are using, helping save precious time troubleshooting to determine root cause.

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

#### QUESTION 89

Which of the following is an advantage of consolidated billing on AWS?

- A. Volume pricing qualification
- B. Shared access permissions
- C. Multiple bills per account
- D. Eliminates the need for tagging

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

If you have multiple standalone accounts, your charges might decrease if you add the accounts to an organization. AWS combines usage from all accounts in the organization to qualify you for volume pricing discounts.

Reference: <https://help.nops.io/consolidated-billing>

#### QUESTION 90

Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

- A. Conduct penetration testing using Amazon Inspector, and then notify AWS support.
- B. Request and wait for approval from the customer's internal security team, and then conduct testing.
- C. Notify AWS support, and then conduct testing immediately.
- D. Request and wait for approval from AWS support, and then conduct testing.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS customers are welcome to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for 8 services.

Reference: <https://aws.amazon.com/security/penetration-testing/>

#### QUESTION 91

Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon Machine Image
- C. Amazon EC2 Systems Manager
- D. Amazon AppStream 2.0

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:



To use Amazon EC2, you simply:

Select a pre-configured, templated Amazon Machine Image (AMI) to get up and running immediately. Or create an AMI containing your applications, libraries, data, and associated configuration settings.

Configure security and network access on your Amazon EC2 instance.

Choose which instance type(s) you want, then start, terminate, and monitor as many instances of your AMI as needed, using the web service APIs or the variety of management tools provided.

Determine whether you want to run in multiple locations, utilize static IP endpoints, or attach persistent block storage to your instances.

Pay only for the resources that you actually consume, like instance-hours or data transfer.

Reference: <https://aws.amazon.com/ec2/features/>

## QUESTION 92

How would an AWS customer easily apply common access controls to a large set of users?

- A. Apply an IAM policy to an IAM group.
- B. Apply an IAM policy to an IAM role.
- C. Apply the same IAM policy to all IAM users with access to the same workload.
- D. Apply an IAM policy to an Amazon Cognito user pool.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

Instead of defining permissions for individual IAM users, it's usually more convenient to create groups that relate to job functions (administrators, developers, accounting, etc.). Next, define the relevant permissions for each group. Finally, assign IAM users to those groups. All the users in an IAM group inherit the permissions assigned to the group. That way, you can make changes for everyone in a group in just one place. As people move around in your company, you can simply change what IAM group their IAM user belongs to.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

## QUESTION 93

What technology enables compute capacity to adjust as loads change?

- A. Load balancing
- B. Automatic failover
- C. Round robin
- D. Auto Scaling

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you're already using Amazon EC2 Auto Scaling to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

Reference: <https://aws.amazon.com/autoscaling/>

#### QUESTION 94

Which AWS services are defined as global instead of regional? (Choose two.)

- A. Amazon Route 53
- B. Amazon EC2
- C. Amazon S3
- D. Amazon CloudFront
- E. Amazon DynamoDB

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference: <http://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/>

#### QUESTION 95

Which AWS service would you use to obtain compliance reports and certificates?

- A. AWS Artifact
- B. AWS Lambda
- C. Amazon Inspector
- D. AWS Certificate Manager

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

#### QUESTION 96

Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Choose two.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted
- E. Ensuring that hardware is disposed of properly

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

Which AWS service can be used to manually launch instances based on resource requirements?

- A. Amazon EBS
- B. Amazon S3
- C. Amazon EC2
- D. Amazon ECS

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 98**

A company is migrating an application that is running non-interruptible workloads for a three-year time frame.

Which pricing construct would provide the MOST cost-effective solution?

- A. Amazon EC2 Spot Instances
- B. Amazon EC2 Dedicated Instances
- C. Amazon EC2 On-Demand Instances
- D. Amazon EC2 Reserved Instances

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 99**

The financial benefits of using AWS are: (Choose two.)

- A. reduced Total Cost of Ownership (TCO).
- B. increased capital expenditure (capex).
- C. reduced operational expenditure (opex).
- D. deferred payment plans for startups.
- E. business credit lines for startups.

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 100**

Which AWS Cost Management tool allows you to view the most granular data about your AWS bill?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Billing dashboard

**Correct Answer: C**

## Explanation

### Explanation/Reference:

Explanation:

The Cost & Usage Report is your one-stop-shop for accessing the most granular data about your AWS costs and usage. You can also load your cost and usage information into Amazon Athena, Amazon Redshift, AWS QuickSight, or a tool of your choice.

Reference: <https://aws.amazon.com/aws-cost-management/>

### QUESTION 101

Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster?

- A. AWS Concierge
- B. AWS CloudFormation
- C. Amazon Simple Storage Service (Amazon S3)
- D. Amazon EC2 Auto Scaling
- E. AWS Management Console

**Correct Answer: E**

### Explanation

### Explanation/Reference:

### QUESTION 102

Which of the following is an AWS Cloud architecture design principle?

- A. Implement single points of failure.
- B. Implement loose coupling.
- C. Implement monolithic design.
- D. Implement vertical scaling.

**Correct Answer: B**

### Explanation

### Explanation/Reference:

Explanation:

Loose coupling between services can also be done through asynchronous integration. It involves one component that generates events and another that consumes them. The two components do not integrate through direct point-to-point interaction, but usually through an intermediate durable storage layer. This approach decouples the two components and introduces additional resiliency. So, for example, if a process that is reading messages from the queue fails, messages can still be added to the queue to be processed when the system recovers.

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

### QUESTION 103

Which of the following security measures protect access to an AWS account? (Choose two.)

- A. Enable AWS CloudTrail.
- B. Grant least privilege access to IAM users.
- C. Create one IAM user and share with many developers and users.
- D. Enable Amazon CloudFront.

E. Activate multi-factor authentication (MFA) for privileged users.

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

Explanation:

If you decided to create service accounts (that is, accounts used for programmatic access by applications running outside of the AWS environment) and generate access keys for them, you should create a dedicated service account for each use case. This will allow you to restrict the associated policy to only the permissions needed for the particular use case, limiting the blast radius if the credentials are compromised. For example, if a monitoring tool and a release management tool both require access to your AWS environment, create two separate service accounts with two separate policies that define the minimum set of permissions for each tool.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

#### QUESTION 104

Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- A. Amazon Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic Block Storage (Amazon EBS)

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to simplify storage management and reduce costs for key hybrid cloud storage use cases. These include moving tape backups to the cloud, reducing on-premises storage with cloud-backed file shares, providing low latency access to data in AWS for on-premises applications, as well as various migration, archiving, processing, and disaster recovery use cases.

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

#### QUESTION 105

Which of the following services falls under the responsibility of the customer to maintain operating system configuration, security patching, and networking?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon ElastiCache
- D. AWS Fargate

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

The customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2.

Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

#### QUESTION 106

Which of the following is an important architectural design principle when designing cloud applications?

- A. Use multiple Availability Zones.
- B. Use tightly coupled components.
- C. Use open source software.
- D. Provision extra capacity.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

Data Center resilience is practiced through Availability Zones across data centers that reduce the impact of failures.

Fault isolation improvement can be made to traditional horizontal scaling by sharding (a method of grouping instances into groups called shards, instead of sending the traffic from all users to every node like in the traditional IT structure.)

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

#### QUESTION 107

Which AWS support plan includes a dedicated Technical Account Manager?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

The enterprise support plan supports technical account manager. Developer and business support plans are devoid of this facility.

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### QUESTION 108

Amazon Relational Database Service (Amazon RDS) offers which of the following benefits over traditional database management?

- A. AWS manages the data stored in Amazon RDS tables.
- B. AWS manages the maintenance of the operating system.
- C. AWS automatically scales up instance types on demand.
- D. AWS manages the database type.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 109**

Which service is best for storing common database query results, which helps to alleviate database access load?

- A. Amazon Machine Learning
- B. Amazon SQS
- C. Amazon ElastiCache
- D. Amazon EC2 Instance Store

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon ElastiCache for Redis is a great choice for implementing a highly available, distributed, and secure in-memory cache to decrease access latency, increase throughput, and ease the load off your relational or NoSQL databases and applications. ElastiCache can serve frequently requested items at sub-millisecond response times, and enables you to easily scale for higher loads without growing the costlier backend databases. Database query results caching, persistent session caching, and full-page caching are all popular examples of caching with ElastiCache for Redis.

Reference: <https://aws.amazon.com/products/databases/real-time-apps-elasticache-for-redis/>

**QUESTION 110**

Which of the following is a component of the shared responsibility model managed entirely by AWS?

- A. Patching operating system software
- B. Encrypting data
- C. Enforcing multi-factor authentication
- D. Auditing physical data center assets

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Of course, Amazon is responsible for auditing physical data center assets and resources since it is the property of Amazon Inc. Customers have no access to physical sites, hence they are not responsible for maintaining physical data center assets.

**QUESTION 111**

Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Online Tech Talks
- C. AWS Blog
- D. AWS Forums
- E. AWS Classroom Training

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**



**QUESTION 112**

Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Choose two.)

- A. Amazon CloudFront distributions
- B. Amazon Route 53
- C. Security Groups
- D. Subnets
- E. Elastic Load Balancing

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

You can easily customize the network configuration for your Amazon VPC. For example, you can create a public-facing subnet for your web servers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to Amazon EC2 instances in each subnet.

Reference: <https://aws.amazon.com/vpc/>

**QUESTION 113**

If each department within a company has its own AWS account, what is one way to enable consolidated billing?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 114**

How do customers benefit from Amazon's massive economies of scale?

- A. Periodic price reductions as the result of Amazon's operational efficiencies
- B. New Amazon EC2 instance types providing the latest hardware
- C. The ability to scale up and down when needed
- D. Increased reliability in the underlying hardware of Amazon EC2 instances

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 115**

Which AWS services can be used to gather information about AWS account activity? (Choose two.)

- A. Amazon CloudFront
- B. AWS Cloud9
- C. AWS CloudTrail
- D. AWS CloudHSM
- E. Amazon CloudWatch

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data. Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

Reference: <https://aws.amazon.com/solutions/real-time-insights-account-activity/>

**QUESTION 116**

Which of the following common IT tasks can AWS cover to free up company IT resources? (Choose two.)

- A. Patching databases software
- B. Testing application releases
- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 117**

In which scenario should Amazon EC2 Spot Instances be used?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-leveraging-ec2-spot-instances/spot-instance-interruptions.html>

**QUESTION 118**

Which AWS feature should a customer leverage to achieve high availability of an application?

- A. AWS Direct Connect
- B. Availability Zones
- C. Data centers
- D. Amazon Virtual Private Cloud (Amazon VPC)

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

This is to achieve High Availability for any web application (in this case SwiftCode) deployed in AWS. The following features will be present:

High availability across multiple instances/multiple availability zones.  
Auto Scaling of instances (scale up and scale down) based on number of requests coming in  
Additional Security to the instances/database that are in production  
No impact to end users during newer version of code deployment  
No Impact during patching the instances

Reference: <https://betsol.com/2018/01/how-to-make-high-availability-web-applications-on-amazon-web-services/>

**QUESTION 119**

Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer: A**

**Explanation**

**Explanation/Reference:****QUESTION 120**

Which AWS service can serve a static website?

- A. Amazon S3
- B. Amazon Route 53
- C. Amazon QuickSight
- D. AWS X-Ray

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

You can host a static website on Amazon Simple Storage Service (Amazon S3). On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website

relies on server-side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting.

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/WebsiteHosting.html>

#### QUESTION 121

How does AWS shorten the time to provision IT resources?

- A. It supplies an online IT ticketing platform for resource requests.
- B. It supports automatic code validation services.
- C. It provides the ability to programmatically provision existing resources.
- D. It automates the resource request process from a company's IT vendor list.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### QUESTION 122

What can AWS edge locations be used for? (Choose two.)

- A. Hosting applications
- B. Delivering content closer to users
- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses
- E. Sending notification messages to end users

**Correct Answer: BD**

**Explanation**

**Explanation/Reference:**

Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Reference: <https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

#### QUESTION 123

Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity

and Access Management (IAM) policy or another statement in the bucket policy.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/block-s3-traffic-vpc-ip/>

#### QUESTION 124

A solution that is able to support growth in users, traffic, or data size with no drop in performance aligns with which cloud architecture principle?

- A. Think parallel
- B. Implement elasticity
- C. Decouple your components
- D. Design for failure

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

#### QUESTION 125

A company will be moving from an on-premises data center to the AWS Cloud.

What would be one financial difference after the move?

- A. Moving from variable operational expense (opex) to upfront capital expense (capex).
- B. Moving from upfront capital expense (capex) to variable capital expense (capex).
- C. Moving from upfront capital expense (capex) to variable operational expense (opex).
- D. Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex).

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### QUESTION 126

How should a customer forecast the future costs for running a new web application?

- A. Amazon Aurora Backtrack
- B. Amazon CloudWatch Billing Alarms
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage report

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

You can use Cost explorer which is part of Cost and Usage report to forecast future costs of running an application.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

#### QUESTION 127

Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### **QUESTION 128**

Which of the following tasks is the responsibility of AWS?

- A. Encrypting client-side data
- B. Configuring AWS Identity and Access Management (IAM) roles
- C. Securing the Amazon EC2 hypervisor
- D. Setting user password policies

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

In EC2, the AWS IaaS offering, everything from the hypervisor layer down is AWS's responsibility. A customer's poorly coded applications, misconfigured operating systems, or insecure firewall settings will not affect the hypervisor, it will only affect the customer's virtual machines running on that hypervisor.

Reference: <https://www.mindpointgroup.com/blog/the-aws-shared-responsibility-model-part-1-security-in-the-cloud/>

#### **QUESTION 129**

One benefit of On-Demand Amazon Elastic Compute Cloud (Amazon EC2) pricing is:

- A. the ability to bid for a lower hourly cost.
- B. paying a daily rate regardless of time used.
- C. paying only for time used.
- D. pre-paying for instances and paying a lower hourly rate.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

On-Demand Capacity Reservations are priced exactly the same as their equivalent (On-Demand) instance usage. If a Capacity Reservation is fully utilized, you only pay for instance usage and nothing towards the Capacity Reservation. If a Capacity Reservation is partially utilized, you pay for the instance usage and for the unused portion of the Capacity Reservation.

Reference: <https://aws.amazon.com/ec2/pricing/on-demand/>

#### **QUESTION 130**

An administrator needs to rapidly deploy a popular IT solution and start using it immediately.

Where can the administrator find assistance?

- A. AWS Well-Architected Framework documentation
- B. Amazon CloudFront
- C. AWS CodeCommit
- D. AWS Quick Start reference deployments

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Quick Starts are built by AWS solutions architects and partners to help you deploy popular technologies on AWS, based on AWS best practices for security and high availability. These accelerators reduce hundreds of manual procedures into just a few steps, so you can build your production environment quickly and start using it immediately.

Reference: <https://aws.amazon.com/quickstart/?quickstart-all.sort-by=item.additionalFields.updateDate&quickstart-all.sort-order=desc>

### QUESTION 131

Which of the following services is in the category of AWS serverless platform?

- A. Amazon EMR
- B. Elastic Load Balancing
- C. AWS Lambda
- D. AWS Mobile Hub

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

Reference: <https://aws.amazon.com/serverless/>

### QUESTION 132

Which services are parts of the AWS serverless platform?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS provides a set of fully managed services that you can use to build and run serverless applications.



Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS step functions, Amazon kinesis and developing tools and services.

Reference: <https://aws.amazon.com/serverless/>

#### QUESTION 133

According to the AWS shared responsibility model, what is the sole responsibility of AWS?

- A. Application security
- B. Edge location management
- C. Patch management
- D. Client-side data

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Client-side data, application security is the sole responsibility of the customer. Patch management is a shared responsibility. That leaves us with edge location management and since this out of the control of the customer, AWS is the one responsible for it.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 134

Which AWS IAM feature is used to associate a set of permissions with multiple users?

- A. Multi-factor authentication
- B. Groups
- C. Password policies
- D. Access keys

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

An IAM group is a collection of IAM users. You can use groups to specify permissions for a collection of users, which can make those permissions easier to manage for those users. For example, you could have a group called Admins and give that group the types of permissions that administrators typically need.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/id.html>

#### QUESTION 135

Which of the following are benefits of the AWS Cloud? (Choose two.)

- A. Unlimited uptime
- B. Elasticity
- C. Agility
- D. Colocation
- E. Capital expenses

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

Explanation:

The most celebrated benefit of AWS cloud is elasticity since you can expand the services when you experience more traffic.

Agile developments in AWS Cloud through strategies are day by day becoming more established within the enterprises across the world. With so much improvement and call for optimization in the cloud, it is necessary that these strategies get established from the ground up within the organizations. It is highly important as already enterprises have a lot of bequest, politics and hierarchies which act as barriers in their businesses.

Reference: <https://www.botmetric.com/blog/evolution-agile-enterprises-aws-cloud/>

**QUESTION 136**

Which of the following can a customer use to enable single sign-on (SSO) to the AWS Console?

- A. Amazon Connect
- B. AWS Directory Service
- C. Amazon Pinpoint
- D. Amazon Rekognition

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Single sign-on only works when used on a computer that is joined to the AWS Directory Service directory. It cannot be used on computers that are not joined to the directory.

Reference: [https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms\\_ad\\_single\\_sign\\_on.html](https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms_ad_single_sign_on.html)

**QUESTION 137**

What are the multiple, isolated locations within an AWS Region that are connected by low-latency networks called?

- A. AWS Direct Connects
- B. Amazon VPCs
- C. Edge locations
- D. Availability Zones

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Each Region is completely independent. Each Availability Zone is isolated, but the Availability Zones in a Region are connected through low-latency links. A Local Zone is an AWS infrastructure deployment that places select services closer to your end users. A Local Zone is an extension of a Region that is in a different location from your Region. It provides a high-bandwidth backbone to the AWS infrastructure and is ideal for latency-sensitive applications, for example machine learning.

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

**QUESTION 138**

Which of the following benefits does the AWS Compliance program provide to AWS customers? (Choose two.)

- A. It verifies that hosted workloads are automatically compliant with the controls of supported compliance frameworks.

- B. AWS is responsible for the maintenance of common compliance framework documentation.
- C. It assures customers that AWS is maintaining physical security and data protection.
- D. It ensures the use of compliance frameworks that are being used by other cloud providers.
- E. It will adopt new compliance frameworks as they become relevant to customer workloads.

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: [https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Risk\\_and\\_Compliance\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf)

#### **QUESTION 139**

Which of the following services provides on-demand access to AWS compliance reports?

- A. AWS IAM
- B. AWS Artifact
- C. Amazon GuardDuty
- D. AWS KMS

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

#### **QUESTION 140**

As part of the AWS shared responsibility model, which of the following operational controls do users fully inherit from AWS?

- A. Security management of data center
- B. Patch management
- C. Configuration management
- D. User and access management

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 141**

When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)

- A. Software development
- B. Project management
- C. Storage hardware

- D. Physical servers
- E. Antivirus software license

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

#### QUESTION 142

Under the shared responsibility model, which of the following tasks are the responsibility of the customer? (Choose two.)

- A. Maintaining the underlying Amazon EC2 hardware.
- B. Managing the VPC network access control lists.
- C. Encrypting data in transit and at rest.
- D. Replacing failed hard disk drives.
- E. Deploying hardware in different Availability Zones.

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Explanation:

The hardware related jobs is the prime responsibility of AWS. VPC network access control lists is something a customer has to do himself to secure the applications. Encrypting data in transit and at rest is a shared responsibility in which AWS plays a part. All hardware related jobs have nothing to do with the customer.

Reference: <https://dzone.com/articles/aws-shared-responsibility-model-cloud-security>

#### QUESTION 143

Which scenarios represent the concept of elasticity on AWS? (Choose two.)

- A. Scaling the number of Amazon EC2 instances based on traffic.
- B. Resizing Amazon RDS instances as business needs change.
- C. Automatically directing traffic to less-utilized Amazon EC2 instances.
- D. Using AWS compliance documents to accelerate the compliance process.
- E. Having the ability to create and govern environments using code.

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

#### QUESTION 144

When is it beneficial for a company to use a Spot Instance?

- A. When there is flexibility in when an application needs to run.
- B. When there are mission-critical workloads.
- C. When dedicated capacity is needed.
- D. When an instance should not be stopped.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

The key to understanding spot instances is to look at the way that cloud service providers such as Amazon Web Services (AWS) operate. Cloud service providers invest in hardware resources and then release those resources (often on a per-hour basis) to subscribers. One of the problems with this business model, however, is that at any given time, there are likely to be compute resources that are not being utilized. These resources represent hardware capacity that AWS has paid for but are sitting idle, and not making AWS any money at the moment.

Rather than allowing these computing resources to go to waste, AWS offers them at a substantially discounted rate, with the understanding that if someone needs those resources for running a normal EC2 instance, that instance will take priority over spot instances that are using the hardware resources at a discounted rate. In fact, spot instances will be stopped if the resources are needed elsewhere.

Reference: <https://awsinsider.net/articles/2017/09/25/aws-spot-instances-primer.aspx>

**QUESTION 145**

A company is considering moving its on-premises data center to AWS.

What factors should be included in doing a Total Cost of Ownership (TCO) analysis? (Choose two.)

- A. Amazon EC2 instance availability
- B. Power consumption of the data center
- C. Labor costs to replace old servers
- D. Application developer time
- E. Database engine capacity

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

**QUESTION 146**

How does AWS charge for AWS Lambda?

- A. Users bid on the maximum price they are willing to pay per hour.
- B. Users choose a 1-, 3- or 5-year upfront payment term.
- C. Users pay for the required permanent storage on a file system or in a database.
- D. Users pay based on the number of requests and consumed compute resources.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Lambda is charging its users by the number of requests for their functions and by the duration, which is the time the code needs to execute. When code starts running in response to an event, AWS Lambda counts a request. It will charge the total number of requests across all of the functions used. Duration is calculated by the time when your code started executing until it returns or until it is terminated, rounded up near to 100ms. The AWS Lambda pricing depends on the amount of memory that the user used to allocate to the function.

Reference: <https://dashbird.io/blog/aws-lambda-pricing-model-explained/>

**QUESTION 147**

What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon EC2) instance security?

- A. Act as a virtual firewall for the Amazon EC2 instance.
- B. Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
- C. Provide DDoS protection with AWS Shield.
- D. Use Amazon CloudFront to protect the Amazon EC2 instance.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Security Groups act like a firewall for your Amazon EC2 instances controlling both inbound and outbound traffic. When you launch an instance on Amazon EC2, you need to assign it to a particular security group. After that, you can set up ports and protocols, which remain open for users and computers over the internet.

AWS Security Groups are very flexible. You can use the default security group and still customize it according to your liking (although we don't recommend this practice because groups should be named according to their purpose.) Or you can create a security group that you want for your specific applications. To do this, you can write the corresponding code or use the Amazon EC2 console to make the process easier.

Reference: <https://www.threatstack.com/blog/aws-security-groups-what-they-are-and-how-to-get-the-most-out-of-them>

#### QUESTION 148

Which disaster recovery scenario offers the lowest probability of down time?

- A. Backup and restore
- B. Pilot light
- C. Warm standby
- D. Multi-site active-active

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

**Backup and Restore:** a simple, straightforward, cost-effective method that backs up and restores data as needed. Keep in mind that because none of your data is on standby, this method, while cheap, can be quite time-consuming.

**Pilot Light:** This method keeps critical applications and data at the ready so that it can be quickly retrieved if needed.

**Warm Standby:** This method keeps a duplicate version of your business' core elements running on standby at all times, which makes for a little downtime and an almost seamless transition.

**Multi-Site Solution:** Also known as a Hot Standby, this method fully replicates your company's data/applications between two or more active locations and splits your traffic/usage between them. If a disaster strikes, everything is simply rerouted to the unaffected area, which means you'll suffer almost zero downtime. However, by running two separate environments simultaneously, you will obviously incur much higher costs.

Reference: <https://cloudranger.com/best-practices-aws-disaster-recovery-planning/>

#### QUESTION 149

What will help a company perform a cost benefit analysis of migrating to the AWS Cloud?

- A. Cost Explorer
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator

D. AWS Trusted Advisor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS TCO calculators allow you to estimate the cost savings when using AWS and provide a detailed set of reports that can be used in executive presentations. The calculators also give you the option to modify assumptions that best meet your business needs.

Reference: <https://aws.amazon.com/tco-calculator/>

#### **QUESTION 150**

Which of the following provides the ability to share the cost benefits of Reserved Instances across AWS accounts?

- A. AWS Cost Explorer between AWS accounts
- B. Linked accounts and consolidated billing
- C. Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report
- D. Amazon EC2 Instance Usage Report between AWS accounts

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

The way that Reserved Instance discounts apply to accounts in an organization's consolidated billing family depends on whether Reserved Instance sharing is turned on or off for the account. By default, Reserved Instance sharing for all accounts in an organization is turned on. You can change this setting by Turning Off Reserved Instance Sharing for an account.

The capacity reservation for a Reserved Instance applies only to the account the Reserved Instance was purchased on, regardless of whether Reserved Instance sharing is turned on or off.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

#### **QUESTION 151**

A company has multiple AWS accounts and wants to simplify and consolidate its billing process.

Which AWS service will achieve this?

- A. AWS Cost and Usage Reports
- B. AWS Organizations
- C. AWS Cost Explorer
- D. AWS Budgets

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### **QUESTION 152**



A company is designing an application hosted in a single AWS Region serving end-users spread across the world. The company wants to provide the end-users low latency access to the application data.

Which of the following services will help fulfill this requirement?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon Route 53 global DNS
- D. Amazon Simple Storage Service (Amazon S3) transfer acceleration

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

Use AWS Local Zones to deploy workloads closer to your end-users for low-latency requirements. AWS Local Zones have their own connection to the internet and support AWS Direct Connect, so resources created in the Local Zone can serve local end-users with very low-latency communications.

Reference: <https://aws.amazon.com/about-aws/global-infrastructure/localzones/faqs/>

#### **QUESTION 153**

Which of the following deployment models enables customers to fully trade their capital IT expenses for operational expenses?

- A. On-premises
- B. Hybrid
- C. Cloud
- D. Platform as a service

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

The cloud allows you to trade capital expenses (such as data centers and physical servers) for variable expenses, and only pay for IT as you consume it. Plus, the variable expenses are much lower than what you would pay to do it yourself because of the economies of scale.

Reference: <https://aws.amazon.com/what-is-cloud-computing/>

#### **QUESTION 154**

How is asset management on AWS easier than asset management in a physical data center?

- A. AWS provides a Configuration Management Database that users can maintain.
- B. AWS performs infrastructure discovery scans on the customer's behalf.
- C. Amazon EC2 automatically generates an asset report and places it in the customer's specified Amazon S3 bucket.
- D. Users can gather asset metadata reliably with a few API calls.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS assets are centrally managed through an inventory management system that stores and tracks owner,

location, status, maintenance, and descriptive information for AWS-owned assets. Following procurement, assets are scanned and tracked, and assets undergoing maintenance are checked and monitored for ownership, status, and resolution.

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

#### QUESTION 155

What feature of Amazon RDS helps to create globally redundant databases?

- A. Snapshots
- B. Automatic patching and updating
- C. Cross-Region read replicas
- D. Provisioned IOPS

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference:

<https://aws.amazon.com/blogs/aws/cross-region-read-replicas-for-amazon-rds-for-mysql/>

#### QUESTION 156

Using AWS Identity and Access Management (IAM) to grant access only to the resources needed to perform a task is a concept known as:

- A. restricted access.
- B. as-needed access.
- C. least privilege access.
- D. token access.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

#### QUESTION 157

Which methods can be used to identify AWS costs by departments? (Choose two.)

- A. Enable multi-factor authentication for the AWS account root user.
- B. Create separate accounts for each department.
- C. Use Reserved Instances whenever possible.
- D. Use tags to associate each instance with a particular department.
- E. Pay bills using purchase orders.

**Correct Answer: BD**

**Explanation**

**Explanation/Reference:**

**QUESTION 158**

Under the AWS shared responsibility model, customer responsibilities include which one of the following?

- A. Securing the hardware, software, facilities, and networks that run all products and services.
- B. Providing certificates, reports, and other documentation directly to AWS customers under NDA.
- C. Configuring the operating system, network, and firewall.
- D. Obtaining industry certifications and independent third-party attestations.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 159**

Which managed AWS service provides real-time guidance on AWS security best practices?

- A. AWS X-Ray
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. AWS Systems Manager

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers premium services such as AWS Trusted Advisor, which provides real-time guidance to help you reduce cost, increase performance, and improve security.

Reference: <https://www.ibm.com/downloads/cas/2N40X4PQ>

**QUESTION 160**

Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Support for monitoring the health of each service independently, as health checks are defined at the target group level and many CloudWatch metrics are reported at the target group level. Attaching a target group to an Auto Scaling group enables you to scale each service dynamically based on demand.

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

**QUESTION 161**

Under the AWS shared responsibility model, customers are responsible for which aspects of security in the cloud? (Choose two.)

- A. Virtualization Management
- B. Hardware management
- C. Encryption management
- D. Facilities management
- E. Firewall management

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

Explanation:

With the basic Cloud infrastructure secured and maintained by AWS, the responsibility for what goes into the cloud falls on you. This covers both client and server side encryption and network traffic protection, security of the operating system, network, and firewall configuration, followed by application security and identity and access management.

Firewall configuration remains the responsibility of the end user, which integrates at the platform and application management level. For example, RDS utilizes security groups, which you would be responsible for configuring and implementing.

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### **QUESTION 162**

Which AWS hybrid storage service enables your on-premises applications to seamlessly use AWS Cloud storage through standard file-storage protocols?

- A. AWS Direct Connect
- B. AWS Snowball
- C. AWS Storage Gateway
- D. AWS Snowball Edge

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

The AWS Storage Gateway service enables hybrid cloud storage between on-premises environments and the AWS Cloud. It seamlessly integrates on-premises enterprise applications and workflows with Amazon's block and object cloud storage services through industry standard storage protocols. It provides low-latency performance by caching frequently accessed data on premises, while storing data securely and durably in Amazon cloud storage services. It provides an optimized data transfer mechanism and bandwidth management, which tolerates unreliable networks and minimizes the amount of data being transferred. It brings the security, manageability, durability, and scalability of AWS to existing enterprise environments through native integration with AWS encryption, identity management, monitoring, and storage services. Typical use cases include backup and archiving, disaster recovery, moving data to S3 for in-cloud workloads, and tiered storage.

Reference: <https://aws.amazon.com/storagegateway/faqs/>

#### **QUESTION 163**

What is a responsibility of AWS in the shared responsibility model?

- A. Updating the network ACLs to block traffic to vulnerable ports.
- B. Patching operating systems running on Amazon EC2 instances.
- C. Updating the firmware on the underlying EC2 hosts.
- D. Updating the security group rules to block traffic to the vulnerable ports.

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 164**

Which architectural principle is used when deploying an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode?

- A. Implement loose coupling.
- B. Design for failure.
- C. Automate everything that can be automated.
- D. Use services, not servers.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Explanation:

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.

Reference: <https://aws.amazon.com/rds/details/multi-az/>

**QUESTION 165**

What does it mean to grant least privilege to AWS IAM users?

- A. It is granting permissions to a single user only.
- B. It is granting permissions using AWS IAM policies only.
- C. It is granting AdministratorAccess policy permissions to trustworthy users.
- D. It is granting only the permissions required to perform a given task.

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

**QUESTION 166**

What is a benefit of loose coupling as a principle of cloud architecture design?

- A. It facilitates low-latency request handling.
- B. It allows applications to have dependent workflows.

- C. It prevents cascading failures between different components.
- D. It allows companies to focus on their physical data center operations.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

IT systems should ideally be designed in a way that reduces inter-dependencies. Your components need to be loosely coupled to avoid changes or failure in one of the components from affecting others.

Your infrastructure also needs to have well defined interfaces that allow the various components to interact with each other only through specific, technology-agnostic interfaces. Modifying any underlying operations without affecting other components should be made possible.

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

#### **QUESTION 167**

A director has been tasked with investigating hybrid cloud architecture. The company currently accesses AWS over the public internet.

Which service will facilitate private hybrid connectivity?

- A. Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway
- B. AWS Direct Connect
- C. Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
- D. AWS Web Application Firewall (AWS WAF)

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon VPC provides multiple network connectivity options for you to leverage depending on your current network designs and requirements. These connectivity options include leveraging either the internet or an AWS Direct Connect connection as the network backbone and terminating the connection into either AWS or user-managed network endpoints. Additionally, with AWS, you can choose how network routing is delivered between Amazon VPC and your networks, leveraging either AWS or user-managed network equipment and routes.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-vpc-connectivity-options/introduction.html>

#### **QUESTION 168**

A company's web application currently has tight dependencies on underlying components, so when one component fails the entire web application fails.

Applying which AWS Cloud design principle will address the current design issue?

- A. Implementing elasticity, enabling the application to scale up or scale down as demand changes.
- B. Enabling several EC2 instances to run in parallel to achieve better performance.
- C. Focusing on decoupling components by isolating them and ensuring individual components can function when other components fail.
- D. Doubling EC2 computing resources to increase system fault tolerance.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 169**

How can a customer increase security to AWS account logons? (Choose two.)

- A. Configure AWS Certificate Manager
- B. Enable Multi-Factor Authentication (MFA)
- C. Use Amazon Cognito to manage access
- D. Configure a strong password policy
- E. Enable AWS Organizations

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

Explanation:

Your root account should always be protected by Multi-Factor Authentication (MFA). This additional layer of security helps protect against unauthorized logins to your account by requiring two factors: something you know (a password) and something you have (for example, an MFA device). AWS supports virtual and hardware MFA devices and U2F security keys.

Cognito can be used as an Identity Provider (IdP), where it stores and maintains users and credentials securely for your applications, or it can be integrated with OpenID Connect, SAML, and other popular web identity providers like Amazon.com.

Using Amazon Cognito, you can generate temporary access credentials for your clients to access AWS services, eliminating the need to store long-term credentials in client applications.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

**QUESTION 170**

What AWS service would be used to centrally manage AWS access across multiple accounts?

- A. AWS Service Catalog
- B. AWS Config
- C. AWS Trusted Advisor
- D. AWS Organizations

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

To improve control over your AWS environment, you can use AWS Organizations to create groups of accounts, and then attach policies to a group to ensure the correct policies are applied across the accounts without requiring custom scripts and manual processes.

Reference: <https://aws.amazon.com/organizations/>

**QUESTION 171**

Which AWS service can a customer use to set up an alert notification when the account is approaching a particular dollar amount?



- A. AWS Cost and Usage reports
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Trusted Advisor

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

#### **QUESTION 172**

What can users access from AWS Artifact?

- A. AWS security and compliance documents
- B. A download of configuration management details for all AWS resources
- C. Training materials for AWS services
- D. A security assessment of the applications deployed in the AWS Cloud

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

You can use AWS Artifact Reports to download AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports.

Reference: <https://aws.amazon.com/artifact/faq/>

#### **QUESTION 173**

What is the MINIMUM AWS Support plan that provides designated Technical Account Managers?

- A. Enterprise
- B. Business
- C. Developer
- D. Basic

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### **QUESTION 174**

Which of the following is an AWS Well-Architected Framework design principle related to reliability?

- A. Deployment to a single Availability Zone
- B. Ability to recover from failure
- C. Design for cost optimization
- D. Perform operations as code

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 175**

Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

- A. Amazon EBS
- B. Amazon EC2 instance store
- C. Amazon EFS
- D. Amazon S3

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Explanation:

When you stop or terminate an instance, every block of storage in the instance store is reset. Therefore, your data cannot be accessed through the instance store of another instance.

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html>

**QUESTION 176**

What is an advantage of using the AWS Cloud over a traditional on-premises solution?

- A. Users do not have to guess about future capacity needs.
- B. Users can utilize existing hardware contracts for purchases.
- C. Users can fix costs no matter what their traffic is.
- D. Users can avoid audits by using reports from AWS.

**Correct Answer: A**

**Explanation****Explanation/Reference:**

Reference: <https://data-flair.training/blogs/aws-advantages/>

**QUESTION 177**

Which of the following is an AWS-managed compute service?

- A. Amazon SWF
- B. Amazon EC2
- C. AWS Lambda
- D. Amazon Aurora

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 178**

Which of the following is an important architectural principle when designing cloud applications?

- A. Store data and backups in the same region.
- B. Design tightly coupled system components.
- C. Avoid multi-threading.

D. Design for failure.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

There are six design principles for operational excellence in the cloud:

Perform operations as code  
Annotate documentation  
Make frequent, small, reversible changes  
Refine operations procedures frequently  
Anticipate failure  
Learn from all operational failures

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### **QUESTION 179**

Which mechanism allows developers to access AWS services from application code?

- A. AWS Software Development Kit
- B. AWS Management Console
- C. AWS CodePipeline
- D. AWS Config

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tools/>

#### **QUESTION 180**

Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that runs once a year for 24 hours?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Instances

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation:

With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run. No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.

Reference: <https://aws.amazon.com/ec2/pricing/>

#### **QUESTION 181**

Which of the following services is a MySQL-compatible database that automatically grows storage as needed?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. Amazon Relational Database Service (Amazon RDS) for MySQL
- C. Amazon Lightsail
- D. Amazon Aurora

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Aurora is a relational database service that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. The MySQL-compatible edition of Aurora delivers up to 5X the throughput of standard MySQL running on the same hardware, and enables existing MySQL applications and tools to run without requiring modification.

Amazon Aurora will automatically grow the size of your database volume as your database storage needs grow. Your volume will grow in increments of 10 GB up to a maximum of 64 TB. You don't need to provision excess storage for your database to handle future growth.

Reference: <https://aws.amazon.com/rds/aurora/mysql-features/>

#### **QUESTION 182**

Which Amazon Virtual Private Cloud (Amazon VPC) feature enables users to connect two VPCs together?

- A. Amazon VPC endpoints
- B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- C. Amazon VPC peering
- D. AWS Direct Connect

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).

Reference: <https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

#### **QUESTION 183**

Which service's PRIMARY purpose is software version control?

- A. Amazon CodeStar
- B. AWS Command Line Interface (AWS CLI)
- C. Amazon Cognito
- D. AWS CodeCommit

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately

store and manage assets (such as documents, source code, and binary files) in the cloud.

Reference: <https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

#### QUESTION 184

A company is considering migrating its applications to AWS. The company wants to compare the cost of running the workload on-premises to running the equivalent workload on the AWS platform.

Which tool can be used to perform this comparison?

- A. AWS Simple Monthly Calculator
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Billing and Cost Management console
- D. Cost Explorer

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

TCO calculator compare the cost of running your applications in an on-premises or colocation environment to AWS.

Reference: <https://awstcocalculator.com>

#### QUESTION 185

Which AWS service provides a secure, fast, and cost-effective way to migrate or transport exabyte-scale datasets into AWS?

- A. AWS Batch
- B. AWS Snowball
- C. AWS Migration Hub
- D. AWS Snowmobile

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Snowmobile is an exabyte-scale data transfer service that can move extremely large amounts of data to AWS in a fast, secure, and cost-effective manner. You can transfer up to 100PB per Snowmobile, a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck. Snowmobile makes it easy to move massive volumes of data to the cloud, including video libraries, image repositories, or even a complete data center migration. All data is encrypted with 256-bit encryption and you can manage your encryption keys with AWS Key Management Service (AWS KMS). Snowmobile includes GPS tracking, alarm monitoring, 24/7 video surveillance and an optional escort security vehicle while in transit.

Reference: <https://aws.amazon.com/about-aws/whats-new/2016/11/move-exabyte-scale-data-sets-with-aws-snowmobile/>

#### QUESTION 186

Which of the following BEST describe the AWS pricing model? (Choose two.)

- A. Fixed-term
- B. Pay-as-you-go
- C. Colocation

- D. Planned
- E. Variable cost

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

Reference: [https://d0.awsstatic.com/whitepapers/aws\\_pricing\\_overview.pdf](https://d0.awsstatic.com/whitepapers/aws_pricing_overview.pdf)

#### QUESTION 187

Which load balancer types are available with Elastic Load Balancing (ELB)? (Choose two.)

- A. Public load balancers with AWS Application Auto Scaling capabilities
- B. F5 Big-IP and Citrix NetScaler load balancers
- C. Classic Load Balancers
- D. Cross-zone load balancers with public and private IPs
- E. Application Load Balancers

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

Explanation:

Elastic Load Balancing supports the following types of load balancers: Application Load Balancers, Network Load Balancers, and Classic Load Balancers. Amazon ECS services can use either type of load balancer. Application Load Balancers are used to route HTTP/HTTPS (or Layer 7) traffic. Network Load Balancers and Classic Load Balancers are used to route TCP (or Layer 4) traffic.

Reference: <https://docs.aws.amazon.com/AmazonECS/latest/developerguide/load-balancer-types.html>

#### QUESTION 188

Why should a company choose AWS instead of a traditional data center?

- A. AWS provides users with full control over the underlying resources.
- B. AWS does not require long-term contracts and provides a pay-as-you-go model.
- C. AWS offers edge locations in every country, supporting global reach.
- D. AWS has no limits on the number of resources that can be created.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

AWS offers you a pay-as-you-go approach for pricing for over 160 cloud services. With AWS you pay only for the individual services you need, for as long as you use them, and without requiring long-term contracts or complex licensing. AWS pricing is similar to how you pay for utilities like water and electricity. You only pay for the services you consume, and once you stop using them, there are no additional costs or termination fees.

Reference: <https://aws.amazon.com/pricing/>

#### QUESTION 189

Which solution provides the FASTEST application response times to frequently accessed data to users in multiple AWS Regions?

- A. AWS CloudTrail across multiple Availability Zones

- B. Amazon CloudFront to edge locations
- C. AWS CloudFormation in multiple regions
- D. A virtual private gateway over AWS Direct Connect

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

You can deliver content and decrease end-user latency of your web application using Amazon CloudFront. CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon S3 bucket, an Amazon EC2 instance, an Amazon Elastic Load Balancing load balancer or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

#### **QUESTION 190**

Which AWS service provides a self-service portal for on-demand access to AWS compliance reports?

- A. AWS Config
- B. AWS Certificate Manager
- C. Amazon Inspector
- D. AWS Artifact

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

#### **QUESTION 191**

Which of the following AWS services can be used to run a self-managed database?

- A. Amazon Route 53
- B. AWS X-Ray
- C. AWS Snowmobile
- D. Amazon Elastic Compute Cloud (Amazon EC2)

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://severalnines.com/news/aws-users-prefer-self-managed-databases>

#### **QUESTION 192**

What exclusive benefit is provided to users with Enterprise Support?



- A. Access to a Technical Project Manager
- B. Access to a Technical Account Manager
- C. Access to a Cloud Support Engineer
- D. Access to a Solutions Architect

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

### QUESTION 193

How can a user protect against AWS service disruptions if a natural disaster affects an entire geographic area?

- A. Deploy applications across multiple Availability Zones within an AWS Region.
- B. Use a hybrid cloud computing deployment model within the geographic area.
- C. Deploy applications across multiple AWS Regions.
- D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

An AWS Region is a geographic location where AWS provides multiple, physically separated and isolated Availability Zones which are connected with low latency, high throughput, and highly redundant networking.

Reference: <https://aws.amazon.com/s3/faqs/>

### QUESTION 194

How does AWS MOST effectively reduce computing costs for a growing start-up company?

- A. It provides on-demand resources for peak usage.
- B. It automates the provisioning of individual developer environments.
- C. It automates customer relationship management.
- D. It implements a fixed monthly computing budget.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

You can continue to optimize your spend and keep your development costs low by making sure you revisit your architecture often, to adjust to your startup growth. Manage your cost further by leveraging different options such as S3 CloudFront for caching & offloading to reduce cost of EC2 computing, as well as Elastic Load Balancing which prepares you for massive scale, high reliability and uninterrupted growth. Another way to keep costs down is to use AWS Identity and Access Management solutions (IAM) to manage governance of your cost drivers effectively and by the right teams.

Reference: <https://aws.amazon.com/startups/lean/>

### QUESTION 195

A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future.

Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

- A. Elasticity
- B. Reliability
- C. Performance
- D. Agility

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end.

Reference: <http://www.agilenutshell.com>

#### **QUESTION 196**

Which AWS Support plan provides a full set of AWS Trusted Advisor checks?

- A. Business and Developer Support
- B. Business and Basic Support
- C. Enterprise and Developer Support
- D. Enterprise and Business Support

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

#### **QUESTION 197**

Which of the following services have Distributed Denial of Service (DDoS) mitigation features? (Choose two.)

- A. AWS WAF
- B. Amazon DynamoDB
- C. Amazon EC2
- D. Amazon CloudFront
- E. Amazon Inspector

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/shield/>

#### **QUESTION 198**

When building a cloud Total Cost of Ownership (TCO) model, which cost elements should be considered for workloads running on AWS? (Choose three.)

- A. Compute costs
- B. Facilities costs
- C. Storage costs

- D. Data transfer costs
- E. Network infrastructure costs
- F. Hardware lifecycle costs

**Correct Answer:** ACE

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

#### **QUESTION 199**

What time-savings advantage is offered with the use of Amazon Rekognition?

- A. Amazon Rekognition provides automatic watermarking of images.
- B. Amazon Rekognition provides automatic detection of objects appearing in pictures.
- C. Amazon Rekognition provides the ability to resize millions of images automatically.
- D. Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

Rekognition Image is an image recognition service that detects objects, scenes, and faces; extracts text; recognizes celebrities; and identifies inappropriate content in images. It also allows you to search and compare faces. Rekognition Image is based on the same proven, highly scalable, deep learning technology developed by Amazon's computer vision scientists to analyze billions of images daily for Prime Photos.

Reference: <https://aws.amazon.com/rekognition/faqs/>

#### **QUESTION 200**

When comparing AWS with on-premises Total Cost of Ownership (TCO), what costs are included with AWS?

- A. Data center security
- B. Business analysis
- C. Project management
- D. Operating system administration

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://www.awstcocalculator.com/Output/Load/f85bbf7e131446643911859504>

#### **QUESTION 201**

According to the AWS shared responsibility model, what is AWS responsible for?

- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

**QUESTION 202**

Which service should be used to estimate the costs of running a new project on AWS?

- A. AWS TCO Calculator
- B. AWS Simple Monthly Calculator
- C. AWS Cost Explorer API
- D. AWS Budgets

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Explanation:

To forecast your costs, use the AWS Cost Explorer. Use cost allocation tags to divide your resources into groups, and then estimate the costs for each group.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

**QUESTION 203**

Which AWS tool will identify security groups that grant unrestricted Internet access to a limited list of ports?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Usage Report
- D. Amazon EC2 dashboard

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 204**

Which AWS service can be used to generate alerts based on an estimated monthly bill?

- A. AWS Config
- B. Amazon CloudWatch
- C. AWS X-Ray
- D. AWS CloudTrail

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Explanation:

You can monitor your estimated AWS charges by using Amazon CloudWatch. When you enable the monitoring of estimated charges for your AWS account, the estimated charges are calculated and sent several times daily to CloudWatch as metric data.

Billing metric data is stored in the US East (N. Virginia) Region and represents worldwide charges. This data includes the estimated charges for every service in AWS that you use, in addition to the estimated overall total of your AWS charges.

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

#### QUESTION 205

Which Amazon EC2 pricing model offers the MOST significant discount when compared to On-Demand Instances?

- A. Partial Upfront Reserved Instances for a 1-year term
- B. All Upfront Reserved Instances for a 1-year term
- C. All Upfront Reserved Instances for a 3-year term
- D. No Upfront Reserved Instances for a 3-year term

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/>

#### QUESTION 206

Which of the following is the responsibility of AWS?

- A. Setting up AWS Identity and Access Management (IAM) users and groups
- B. Physically destroying storage media at end of life
- C. Patching guest operating systems
- D. Configuring security settings on Amazon EC2 instances

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Media storage devices used to store customer data are classified by AWS as Critical and treated accordingly, as high impact, throughout their life-cycles. AWS has exacting standards on how to install, service, and eventually destroy the devices when they are no longer useful. When a storage device has reached the end of its useful life, AWS decommissions media using techniques detailed in NIST 800-88. Media that stored customer data is not removed from AWS control until it has been securely decommissioned.

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

#### QUESTION 207

Which of the following is an advantage of using AWS?

- A. AWS audits user data.
- B. Data is automatically secure.
- C. There is no guessing on capacity needs.
- D. AWS manages compliance needs.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS manages dozens of compliance programs in its infrastructure. This means that segments of your compliance have already been completed.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/security-and-compliance.html>

**QUESTION 208**

Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

- A. AWS Lambda
- B. Amazon DynamoDB Accelerator
- C. Amazon Route 53
- D. Amazon CloudFront

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

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. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

Reference: <https://aws.amazon.com/cloudfront/>

**QUESTION 209**

Which services manage and automate application deployments on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS CodeCommit
- C. AWS Data Pipeline
- D. AWS CloudFormation
- E. AWS Config

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

Reference:

<https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/deploying.applications.html>

**QUESTION 210**

A user wants guidance on possible savings when migrating from on-premises to AWS.

Which tool is suitable for this scenario?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. AWS Well-Architected Tool

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

The TCO Calculator provides directional guidance on possible realized savings when deploying AWS. This tool is built on an underlying calculation model, that generates a fair assessment of value that a customer may

achieve given the data provided by the user.

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 211

Which principles are used to architect applications for reliability on the AWS Cloud? (Choose two.)

- A. Design for automated failure recovery
- B. Use multiple Availability Zones
- C. Manage changes via documented processes
- D. Test for moderate demand to ensure reliability
- E. Backup recovery to an on-premises environment

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 212

What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

- A. Rotate passwords and access keys.
- B. Remove MFA tokens.
- C. Move resources to a different AWS Region.
- D. Delete AWS CloudTrail Resources.
- E. Contact AWS Support.

**Correct Answer:** AE

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise/>

#### QUESTION 213

What is an example of high availability in the AWS Cloud?

- A. Consulting AWS technical support at any time day or night
- B. Ensuring an application remains accessible, even if a resource fails
- C. Making any AWS service available for use by paying on demand
- D. Deploying in any part of the world using AWS Regions

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

#### QUESTION 214

Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)



- C. Elastic Load Balancing (ELB)
- D. AWS Shield

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

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. There are two tiers of AWS Shield - Standard and Advanced.

Reference: <https://aws.amazon.com/shield/>

#### **QUESTION 215**

A company wants to monitor the CPU usage of its Amazon EC2 resources.

Which AWS service should the company use?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Cost and Usage report
- D. Amazon Simple Notification Service (Amazon SNS)

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

With Basic monitoring you get data on your cloudwatch metrics every 5 minutes. Enabling detailed monitoring, you will get the data every one minute.

To check if detailed monitoring is enabled, on your EC2 Console, Select the instance, on the lower pane, Select Monitoring.

Reference: <https://forums.aws.amazon.com/thread.jspa?threadID=263876>

#### **QUESTION 216**

What is an AWS Identity and Access Management (IAM) role?

- A. A user associated with an AWS resource
- B. A group associated with an AWS resource
- C. An entity that defines a set of permissions for use with an AWS resource
- D. An authentication credential associated with a multi-factor authentication (MFA) token

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. Using IAM, you can create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.

Reference: <https://aws.amazon.com/iam/>

**QUESTION 217**

What are the advantages of Reserved Instances? (Choose two.)

- A. They provide a discount over on-demand pricing.
- B. They provide access to additional instance types.
- C. They provide additional networking capability.
- D. Customers can upgrade instances as new types become available.
- E. Customers can reserve capacity in an Availability Zone.

**Correct Answer:** AE

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/>

**QUESTION 218**

How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

- A. They automatically add more instances across multiple AWS Regions based on global demand of the application.
- B. They automatically add or replace instances across multiple Availability Zones when the application needs it.
- C. They enable the application's static content to reside closer to end users.
- D. They are able to distribute incoming requests across a tier of web server instances.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

When the unhealthy Availability Zone returns to a healthy state, Auto Scaling automatically redistributes the application instances evenly across all of the designated Availability Zones.

Reference: <https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.html>

**QUESTION 219**

How can one AWS account use Reserved Instances from another AWS account?

- A. By using Amazon EC2 Dedicated Instances
- B. By using AWS Organizations consolidated billing
- C. By using the AWS Cost Explorer tool
- D. By using AWS Budgets

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

The account that originally purchased the Reserved Instance receives the discount first. If the purchasing account doesn't have any instances that match the terms of the Reserved Instance, the discount for the Reserved Instance is assigned to any matching usage on another account in the organization.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

**QUESTION 220**

A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours, 5 minutes, and 6 seconds.

For how much time will the customer be billed?

- A. 3 hours, 5 minutes
- B. 3 hours, 5 minutes, and 6 seconds
- C. 3 hours, 6 minutes
- D. 4 hours

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

**QUESTION 221**

Which of the following AWS services provide compute resources? (Choose two.)

- A. AWS Lambda
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS CodeDeploy
- D. Amazon Glacier
- E. AWS Organizations

**Correct Answer: AB**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

**QUESTION 222**

Which AWS service enables users to deploy infrastructure as code by automating the process of provisioning resources?

- A. Amazon GameLift
- B. AWS CloudFormation
- C. AWS Data Pipeline
- D. AWS Glue

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference: <https://aws.amazon.com/cloudformation/>

**QUESTION 223**

Which AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Choose two.)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/hybrid/>

#### QUESTION 224

Which of the following allows users to provision a dedicated network connection from their internal network to AWS?

- A. AWS CloudHSM
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Connect

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

Reference: <https://aws.amazon.com/directconnect/>

#### QUESTION 225

Which services use AWS edge locations? (Choose two.)

- A. Amazon CloudFront
- B. AWS Shield
- C. Amazon EC2
- D. Amazon RDS
- E. Amazon ElastiCache

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

#### QUESTION 226

Which service would provide network connectivity in a hybrid architecture that includes the AWS Cloud?

- A. Amazon VPC
- B. AWS Direct Connect
- C. AWS Directory Service
- D. Amazon API Gateway

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) is a logically isolated, private section of the AWS Cloud to launch resources in a virtual data center in the cloud. Amazon VPC allows you to leverage multiple Availability Zones (AZ) within a region so that you can build greater fault tolerance within your workloads. You have complete control.

Reference: <https://aws.amazon.com/blogs/publicsector/aws-networking-capabilities-gives-you-choices-for-hybrid-cloud-connectivity-but-which-service-works-best-for-your-use-case/>

#### QUESTION 227

Which tool can be used to compare the costs of running a web application in a traditional hosting environment to running it on AWS?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Total Cost of Ownership (TCO) Calculator

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 228

What is the value of using third-party software from AWS Marketplace instead of installing third-party software on Amazon EC2? (Choose two.)

- A. Users pay for software by the hour or month depending on licensing.
- B. AWS Marketplace enables the user to launch applications with 1-Click.
- C. AWS Marketplace data encryption is managed by a third-party vendor.
- D. AWS Marketplace eliminates the need to upgrade to newer software versions.
- E. Users can deploy third-party software without testing.

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/partners/aws-marketplace/>

#### QUESTION 229

Which of the following is a cloud architectural design principle?

- A. Scale up, not out.
- B. Loosely couple components.

- C. Build monolithic systems.
- D. Use commercial database software.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

Loosely coupled architectures reduce interdependencies, so that a change or failure in a component does not cascade to other components.

Reference: [https://aws-certified-cloud-practitioner.fandom.com/wiki/1.3\\_List\\_the\\_different\\_cloud\\_architecture\\_design\\_principles](https://aws-certified-cloud-practitioner.fandom.com/wiki/1.3_List_the_different_cloud_architecture_design_principles)

#### **QUESTION 230**

Under the shared responsibility model; which of the following areas are the customer's responsibility? (Choose two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 231**

Which service enables customers to audit and monitor changes in AWS resources?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. Amazon Inspector
- D. AWS Config

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

Reference: <https://aws.amazon.com/config/>

#### **QUESTION 232**

Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

- A. AWS CloudTrail
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. Amazon Inspector

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 233**

According to the AWS shared responsibility model, who is responsible for configuration management?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 234**

Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

- A. AWS CloudFormation
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. Amazon Pinpoint

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

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. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

Reference: <https://aws.amazon.com/cloudfront/>

#### **QUESTION 235**

Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

- A. Security
- B. Reliability



- C. Elasticity
- D. High availability

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://wa.aws.amazon.com/wat.map.en.html>

**QUESTION 236**

A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack.

Who should the user contact FIRST about this situation?

- A. AWS Premium Support
- B. AWS Technical Account Manager
- C. AWS Solutions Architect
- D. AWS Abuse team

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

**QUESTION 237**

Which of the following are benefits of hosting infrastructure in the AWS Cloud? (Choose two.)

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 238**

Access keys in AWS Identity and Access Management (IAM) are used to:

- A. log in to the AWS Management Console.
- B. make programmatic calls to AWS from AWS APIs.
- C. log in to Amazon EC2 instances.
- D. authenticate to AWS CodeCommit repositories.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**QUESTION 239**

What is AWS Trusted Advisor?

- A. It is an AWS staff member who provides recommendations and best practices on how to use AWS.
- B. It is a network of AWS partners who provide recommendations and best practices on how to use AWS.
- C. It is an online tool with a set of automated checks that provides recommendations on cost optimization, performance, and security.
- D. It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices.

Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

**QUESTION 240**

Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Organizations
- D. Consolidated billing

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.

Reference: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

**QUESTION 241**

Which AWS service offers on-demand access to AWS security and compliance reports?

- A. AWS CloudTrail
- B. AWS Artifact
- C. AWS Health
- D. Amazon CloudWatch

**Correct Answer: B**

## Explanation

### Explanation/Reference:

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

Reference: <https://aws.amazon.com/artifact/>

### QUESTION 242

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Choose two.)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency.
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages.
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency.
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages.
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency.

**Correct Answer:** AC

**Explanation**

### Explanation/Reference:

Reference: <https://aws.amazon.com/comprehend/features/>  
<https://aws.amazon.com/cloudfront/>

### QUESTION 243

Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

- A. AWS Config
- B. AWS Elastic Beanstalk
- C. Amazon Route 53
- D. Amazon CloudFront

**Correct Answer:** B

**Explanation**

### Explanation/Reference:

Explanation

Upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.

Reference: <https://aws.amazon.com/elasticbeanstalk/>

### QUESTION 244

Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC
- D. Amazon API Gateway

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

#### **QUESTION 245**

When a company provisions web servers in multiple AWS Regions, what is being increased?

- A. Coupling
- B. Availability
- C. Security
- D. Durability

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### **QUESTION 246**

The pay-as-you-go pricing model for AWS services:

- A. reduces capital expenditures.
- B. requires payment up front for AWS services.
- C. is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.
- D. reduces operational expenditures.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.10thmagnitude.com/opex-vs-capex-the-real-cloud-computing-cost-advantage/>

#### **QUESTION 247**

Under the AWS shared responsibility model, AWS is responsible for which security-related task?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### **QUESTION 248**

Which AWS service enables users to consolidate billing across multiple accounts?

- A. Amazon QuickSight
- B. AWS Organizations
- C. AWS Budgets
- D. Amazon Forecast

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL) accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### **QUESTION 249**

Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

- A. Managing edge locations
- B. Physical security
- C. Firewall configuration
- D. Global infrastructure

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 250**

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

- A. AWS Senior Support Engineers
- B. AWS Technical Account Managers
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/faqs/>

#### **QUESTION 251**

Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)

- A. Multiple Availability Zones
- B. Performance efficiency
- C. Security
- D. Encryption usage
- E. High availability

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf) (5)

**QUESTION 252**

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

**QUESTION 253**

What is an advantage of deploying an application across multiple Availability Zones?

- A. There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region.
- B. The application will have higher availability because it can withstand a service disruption in one Availability Zone.
- C. There will be better coverage as Availability Zones are geographically distant and can serve a wider area.
- D. There will be decreased application latency that will improve the user experience.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

**QUESTION 254**

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS.

What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.
- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/estimating-aws-resource-costs/>

**QUESTION 255**

A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources.

What combination of actions will enable the company to accomplish this goal? (Choose two.)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

#### QUESTION 256

A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. AWS IAM
- B. Amazon GuardDuty
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS WAF

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference: <https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

#### QUESTION 257

Treating infrastructure as code in the AWS Cloud allows users to:

- A. automate migration of on-premises hardware to AWS data centers.
- B. let a third party automate an audit of the AWS infrastructure.
- C. turn over application code to AWS so it can run on the AWS infrastructure.
- D. automate the infrastructure provisioning process.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://asperbrothers.com/blog/infrastructure-as-code-aws/>



**QUESTION 258**

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon API Gateway
- D. Amazon Connect

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference: <https://aws.amazon.com/directconnect/>

**QUESTION 259**

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Athena is defined as “an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL.” So, it’s another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike Apache Drill, Athena is limited to data only from Amazon’s own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

**QUESTION 260**

AWS CloudFormation is designed to help the user:

- A. model and provision resources.
- B. update application code.
- C. set up data lakes.
- D. create reports for billing.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation

AWS CloudFormation provides a common language for you to model and provision AWS and third party

application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

Reference: <https://aws.amazon.com/cloudformation/>

#### QUESTION 261

Which of the following is an AWS database service?

- A. Amazon Redshift
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3 Glacier
- D. AWS Snowball

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://www.sisense.com/glossary/redshift-database/>

#### QUESTION 262

A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports.

What is the SIMPLEST way to do this?

- A. Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.
- B. Run AWS Trusted Advisor and review the findings.
- C. Open the AWS IAM console and check the inbound rule filters for open access.
- D. In AWS Config, create a custom rule that invokes an AWS Lambda function to review rules for inbound access.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-security-groups.html>

#### QUESTION 263

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Choose two.)

- A. AWS automatically distributes the data globally for higher durability.
- B. AWS will take care of operating the application.
- C. AWS makes it easy to architect for high availability.
- D. AWS can easily accommodate application demand changes.
- E. AWS takes care application security patching.

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 264**

A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API.

Reference: <https://aws.amazon.com/inspector/>

**QUESTION 265**

How can a company isolate the costs of production and non-production workloads on AWS?

- A. Create Identity and Access Management (IAM) roles for production and non-production workloads.
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

**QUESTION 266**

Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Service Catalog Delivery Partners are APN Consulting Partners who help create catalogs of IT services that are approved by the customer's organization for use on AWS. With AWS Service Catalog, customers and partners can centrally manage commonly deployed IT services to help achieve consistent governance and

meet compliance requirements while enabling users to self-provision approved services.

Reference: <https://aws.amazon.com/servicecatalog/partners/>

#### QUESTION 267

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

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. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

Reference: <https://aws.amazon.com/s3/storage-classes/>

#### QUESTION 268

What are the immediate benefits of using the AWS Cloud? (Choose two.)

- A. Increased IT staff.
- B. Capital expenses are replaced with variable expenses.
- C. User control of infrastructure.
- D. Increased agility.
- E. AWS holds responsibility for security in the cloud.

**Correct Answer: BD**

**Explanation**

**Explanation/Reference:**

#### QUESTION 269

Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

- A. Amazon GuardDuty
- B. Amazon Macie
- C. Amazon Inspector
- D. AWS Shield

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### Explanation

Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS. Macie recognizes sensitive data such as personally identifiable information (PII) or intellectual property. It provides you with dashboards and alerts that give visibility into how this data is being accessed or moved.

Reference: <https://docs.aws.amazon.com/macie/latest/userguide/what-is-macie.html>

#### QUESTION 270

What is the purpose of AWS Storage Gateway?

- A. It ensures on-premises data storage is 99.999999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.

**Correct Answer: D**

#### Explanation

#### Explanation/Reference:

##### Explanation

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference: <https://www.techradar.com/news/what-is-aws-storage-gateway>

#### QUESTION 271

What should users do if they want to install an application in geographically isolated locations?

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Configure the application using multiple NAT gateways.

**Correct Answer: C**

#### Explanation

#### Explanation/Reference:

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### QUESTION 272

A system in the AWS Cloud is designed to withstand the failure of one or more components.

What is this an example of?

- A. Elasticity
- B. High Availability
- C. Scalability
- D. Agility

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://wa.aws.amazon.com/wat.question.REL\\_7.en.html](https://wa.aws.amazon.com/wat.question.REL_7.en.html)

**QUESTION 273**

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system.

Which AWS service can fulfill this requirement?

- A. AWS Direct Connect
- B. AWS VPN
- C. Amazon Connect
- D. AWS Data Pipeline

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Reference: <https://aws.amazon.com/directconnect/>

**QUESTION 274**

Within the AWS shared responsibility model, who is responsible for security and compliance?

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 275**

To use the AWS CLI, users are required to generate:

- A. a password policy.
- B. an access/secret key.
- C. a managed policy.

D. an API key.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 276**

Which AWS service is used to provide encryption for Amazon EBS?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS KMS
- D. AWS Config

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html>

**QUESTION 277**

How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Choose two.)

- A. By the time it takes for the Lambda function to execute.
- B. By the number of versions of a specific Lambda function.
- C. By the number of requests made for a given Lambda function.
- D. By the programming language that is used for the Lambda function.
- E. By the total number of Lambda functions in an AWS account.

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 278**

Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Choose two.)

- A. There are more AWS Regions than Availability Zones.
- B. There are more edge locations than AWS Regions.
- C. An edge location is an Availability Zone.
- D. There are more AWS Regions than edge locations.
- E. There are more Availability Zones than AWS Regions.

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

**QUESTION 279**

What does AWS Shield Standard provide?



- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

Reference: <https://aws.amazon.com/shield/pricing/>

#### **QUESTION 280**

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources.

What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node .js code
- B. Penetration testing for security
- C. hardware required to support new applications
- D. Writing specific test cases for third-party applications.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/pricing/cost-optimization/>

#### **QUESTION 281**

What does AWS Marketplace allow users to do? (Choose two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/marketplace>

#### **QUESTION 282**

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.

D. Some resources run on-premises and some run in the AWS Cloud.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/hybrid/>

#### **QUESTION 283**

Which AWS service allows users to identify the changes made to a resource over time?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Service Catalog
- D. AWS IAM

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/config/latest/developerguide/view-manage-resource.html>

#### **QUESTION 284**

How can a company reduce its Total Cost of Ownership (TCO) using AWS?

- A. By minimizing large capital expenditures
- B. By having no responsibility for third-party license costs
- C. By having no operational expenditures
- D. By having AWS manage applications

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation

AWS helps you reduce Total Cost of Ownership (TCO) by reducing the need to invest in large capital expenditures and providing a pay-as-you-go model that empowers you to invest in the capacity you need and use it only when the business requires it.

Reference: <https://aws.amazon.com/tco-calculator/>

#### **QUESTION 285**

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

**QUESTION 286**

What are the advantages of the AWS Cloud? (Choose two.)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: <https://data-flair.training/blogs/aws-advantages/>

**QUESTION 287**

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.
- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 288**

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tco-calculator/>

**QUESTION 289**

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security

D. Physical security of hardware

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### **QUESTION 290**

What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is using used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### **QUESTION 291**

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://d1.awsstatic.com/whitepapers/Migration/aws-migration-whitepaper.pdf>

#### **QUESTION 292**

Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/mt/automate-account-creation-and-resource-provisioning-using-aws-service-catalog-aws-organizations-and-aws-lambda/>

#### **QUESTION 293**

Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

#### **QUESTION 294**

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

#### **QUESTION 295**

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Explanation

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference: <https://aws.amazon.com/cloudtrail/>

**QUESTION 296**

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 297**

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference: <https://aws.amazon.com/economics/>

**QUESTION 298**

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

- A. AWS Auto Scaling for Amazon EC2 instances
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

**QUESTION 299**

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone

D. Distribute the compute load across multiple resources

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)

### QUESTION 300

Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites
- D. Require IAM users to store their passwords in raw text
- E. Disable multi-factor authentication (MFA) for IAM users

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

### QUESTION 301

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project.

How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/solutions/aws-landing-zone/>

### QUESTION 302

How does the AWS Enterprise Support Concierge team help users?

- A. Supporting application development
- B. Providing architecture guidance
- C. Answering billing and account inquiries
- D. Answering questions regarding technical support cases



**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

### QUESTION 303

An application designed to span multiple Availability Zones is described as:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: [https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj\\_NslAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj\\_eCGlslA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkoUKHRhJC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false](https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NslAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGlslA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkoUKHRhJC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false)

### QUESTION 304

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/faqs/>

### QUESTION 305

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Simple Monthly Calculator
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. Cost Explorer

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tco-calculator/>

#### QUESTION 306

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

#### QUESTION 307

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>

#### QUESTION 308

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Choose two.)

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

**Correct Answer: BD**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/cloudfront/faqs/>

#### QUESTION 309

Which AWS service or resource is serverless?

- A. AWS Lambda
- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://blogs.itemis.com/en/serverless-services-on-aws>

#### QUESTION 310

Which of the following are components of Amazon VPC? (Choose two.)

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

Reference: [https://subscription.packtpub.com/book/virtualization\\_and\\_cloud/9781788293723/3/ch03lv1sec26/vpc-components](https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lv1sec26/vpc-components)

#### QUESTION 311

AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/budgets-managing-costs.html>

#### QUESTION 312

Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

#### QUESTION 313

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

- A. Information on Amazon S3 bucket permissions
- B. AWS service outages
- C. Multi-factor authentication enabled on the AWS account root user
- D. Available software patches
- E. Number of users in the account

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

#### QUESTION 314

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

#### QUESTION 315

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

#### QUESTION 316

Which of the following are advantages of the AWS Cloud? (Choose two.)

- A. AWS manages the maintenance of the cloud infrastructure
- B. AWS manages the security of applications built on AWS
- C. AWS manages capacity planning for physical servers
- D. AWS manages the development of applications on AWS

E. AWS manages cost planning for virtual servers

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/data-center/controls/>

**QUESTION 317**

A user deploys an Amazon RDS DB instance in multiple Availability Zones.

This strategy involves which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Reliability
- C. Cost optimization
- D. Security

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 318**

Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources? (Choose two.)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference:

<https://aws.amazon.com/directconnect/>

<https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/>

**QUESTION 319**

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon QuickSight

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html>

#### QUESTION 320

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Amazon CloudFront

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

#### QUESTION 321

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Explanation:

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

Reference: <https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

#### QUESTION 322

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/aws/category/auto-scaling/>

#### QUESTION 323

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### **QUESTION 324**

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups.

Which AWS service will support this use case?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon DocumentDB
- D. Amazon ElastiCache

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Explanation:

Amazon RDS makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks, such as hardware provisioning, database setup, patching, and backups. It frees you to focus on your applications, so you can give them the fast performance, high availability, security, and compatibility that they need.

Reference: <https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rds-responsibilities/>

#### **QUESTION 325**

A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html>

#### **QUESTION 326**

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server.

Which Amazon EC2 instance pricing option will meet these requirements?



- A. Dedicated Hosts
- B. Dedicated Instances
- C. Spot Instances
- D. Reserved Instances

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/dedicated-hosts/>

#### QUESTION 327

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/crypto/latest/userguide/awscryp-service-hsm.html>  
<https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

#### QUESTION 328

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf> (26)

#### QUESTION 329

What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

**QUESTION 330**

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

The AWS CloudHSM service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Reference: <https://aws.amazon.com/cloudhsm/faqs/>

**QUESTION 331**

Under the AWS shared responsibility model, the customer manages which of the following? (Choose two.)

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

**QUESTION 332**

Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

**Correct Answer:** C

## Explanation

### Explanation/Reference:

Explanation:

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference: <https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-database-and-networking-services/>

### QUESTION 333

What is a value proposition of the AWS Cloud?

- A. AWS is responsible for security in the AWS Cloud
- B. No long-term contract is required
- C. Provision new servers in days
- D. AWS manages user applications in the AWS Cloud

**Correct Answer: B**

**Explanation**

### Explanation/Reference:

Reference: <https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>

### QUESTION 334

What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

**Correct Answer: C**

**Explanation**

### Explanation/Reference:

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

### QUESTION 335

What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 336**

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility
- D. Reliability

**Correct Answer: C**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/devops/partner-solutions/>

**QUESTION 337**

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

**Correct Answer: AD**

**Explanation****Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**QUESTION 338**

Amazon Route 53 enables users to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html>

**QUESTION 339**

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor

- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/guardduty/>

**QUESTION 340**

A company wants to try a third-party ecommerce solution before deciding to use it long term.

Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-from-aws-console/>

**QUESTION 341**

Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for MariaDB

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/dynamodb/>

**QUESTION 342**

Which AWS service should be used to create a billing alarm?

- A. AWS Trusted Advisor
- B. AWS CloudTrail
- C. Amazon CloudWatch
- D. Amazon QuickSight

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**QUESTION 343**

A company is hosting a web application in a Docker container on Amazon EC2.

AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

**QUESTION 344**

Users are reporting latency when connecting to a website with a global customer base.

Which AWS service will improve the customer experience by reducing latency?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon EC2 Auto Scaling
- D. AWS Transit Gateway

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

**QUESTION 345**

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

**QUESTION 346**

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

- A. AWS Config
- B. VPC Flow Logs
- C. AWS Trusted Advisor

D. AWS CloudTrail

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

#### QUESTION 347

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability.

Which service will support these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. Amazon CloudFront

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference: <https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

#### QUESTION 348

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

#### QUESTION 349

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

- A. Amazon CloudWatch
- B. AWS Config



- C. AWS Trusted Advisor
- D. AWS IAM

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity/>

#### **QUESTION 350**

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

#### **QUESTION 351**

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

- A. AWS Snowball
- B. AWS Lambda
- C. Amazon ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

**Correct Answer: AD**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/snowball/>

#### **QUESTION 352**

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

- A. Run the application on a bigger EC2 instance size.
- B. Switch to an EC2 instance family that better matches batch requirements.
- C. Distribute the application across multiple EC2 instances and run the workload in parallel.
- D. Run the application on a bare metal EC2 instance.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 353**

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.
- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_manage\\_accounts.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html)

**QUESTION 354**

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 355**

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS CloudTrail
- B. Amazon EC2 Auto Scaling
- C. Amazon Forecast
- D. AWS Config

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/autoscaling/>

**QUESTION 356**

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering

- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf> (36)

#### **QUESTION 357**

Which tool is used to forecast AWS spending?

- A. AWS Trusted Advisor
- B. AWS Organizations
- C. Cost Explorer
- D. Amazon Inspector

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

#### **QUESTION 358**

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

- A. Amazon ElastiCache
- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Explanation:

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

Reference: <https://aws.amazon.com/cloudfront/faqs/>

#### **QUESTION 359**

Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions

- C. Amazon Lightsail
- D. AWS Organizations

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/about-aws/global-infrastructure/>

#### **QUESTION 360**

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. Amazon Inspector

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/faqs/>

#### **QUESTION 361**

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

#### **QUESTION 362**

Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

**Correct Answer: CE**  
**Explanation**

**Explanation/Reference:**

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

#### **QUESTION 363**

IT systems should be designed to reduce interdependencies, so that a change or failure in one component

does not cascade to other components.

This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling
- C. Automation
- D. Automatic scaling

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf) (20)

#### **QUESTION 364**

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

**Correct Answer: AE**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/waf/>  
<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

#### **QUESTION 365**

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously.

Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/efs/>

#### **QUESTION 366**

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances

- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

**Correct Answer:** BC

**Explanation**

**Explanation/Reference:**

#### **QUESTION 367**

What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>

#### **QUESTION 368**

The continual reduction of AWS Cloud pricing is due to:

- A. pay-as-you go pricing
- B. the AWS global infrastructure
- C. economies of scale
- D. reserved storage pricing

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://read.acloud.guru/there-are-four-reasons-to-explain-how-using-aws-can-change-the-economic-model-of-the-it-services-850dcc8ea1aa?qi=3bcf6cd0e1e2>

#### **QUESTION 369**

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements.

How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html>

**QUESTION 370**

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 371**

What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/aws/estimate-your-c/>

**QUESTION 372**

Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 373**

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

- A. Amazon EC2
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift



**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/autoscaling/faqs/>

**QUESTION 374**

Which of the following are benefits of AWS Global Accelerator? (Choose two.)

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/global-accelerator/faqs/>

**QUESTION 375**

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/reactivate-suspended-account/>

**QUESTION 376**

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Explanation:

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

**QUESTION 377**

Which method helps to optimize costs of users moving to the AWS Cloud?

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/>

**QUESTION 378**

Under the AWS shared responsibility model, which of the following is a customer responsibility?

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 379**

The AWS Cost Management tools give users the ability to do which of the following? (Choose two.)

- A. Terminate all AWS resources automatically if budget thresholds are exceeded.
- B. Break down AWS costs by day, service, and linked AWS account.
- C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.
- D. Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.
- E. Move data stored in Amazon S3 to a more cost-effective storage class.

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 380**

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 381**

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

**Correct Answer: C**

**Explanation****Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/IAM/latest/UserGuide/console\\_controlling-access.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html)  
<https://aws.amazon.com/iam/>

**QUESTION 382**

Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%20select%20online%20agreements.>

**QUESTION 383**

Which AWS service can be used to turn text into life-like speech?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

**Correct Answer: A**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sounding%20human%20speech.>

**QUESTION 384**

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail

- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 385**

A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

The status of Amazon S3 bucket permissions.

Whether multi-factor authentication is enabled for the AWS account root user.

If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report
- D. IAM credential report

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/#Security>

**QUESTION 386**

Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?

- A. Dedicated Hosts
- B. On-Demand Instances
- C. Spot Instances
- D. Reserved Instances

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/dedicated-hosts/pricing/>

**QUESTION 387**

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Data centers

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Explanation:

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time. Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

Reference: <https://aws.amazon.com/caching/>

**QUESTION 388**

Using AWS Config to record, audit, and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

- A. Security
- B. Operational excellence
- C. Performance efficiency
- D. Cost optimization

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: [https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf) (12)

**QUESTION 389**

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SQLtoNoSQL.html>

**QUESTION 390**

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://www.botmetric.com/blog/having-a-disaster-recovery-plan-is-pivotal-the-dos-and-donts-on-aws-cloud/>

**QUESTION 391**

Which features and benefits does the AWS Organizations service provide? (Choose two.)

- A. Establishing real-time communications between members of an internal team
- B. Facilitating the use of NoSQL databases
- C. Providing automated security checks
- D. Implementing consolidated billing
- E. Enforcing the governance of AWS accounts

**Correct Answer: DE**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/organizations/>

**QUESTION 392**

Which AWS service is used to automate configuration management using Chef and Puppet?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/opsworks/>

**QUESTION 393**

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

- A. Detailed billing report
- B. Consolidated billing
- C. AWS Cost and Usage report
- D. Cost allocation report

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 394**

The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags

- B. estimate savings when comparing the AWS Cloud to an on-premises environment
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/tco-calculator/>

#### **QUESTION 395**

Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Choose two.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/directconnect/faqs/>

#### **QUESTION 396**

Under the AWS shared responsibility model, which of the following are customer responsibilities? (Choose two.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### **QUESTION 397**

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

- A. Developer
- B. Enterprise
- C. Business
- D. Basic

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**



Reference: <https://aws.amazon.com/premiumsupport/plans/>

#### QUESTION 398

A company has deployed several relational databases on Amazon EC2 instances. Every month, the database software vendor releases new security patches that need to be applied to the databases.

What is the MOST efficient way to apply the security patches?

- A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.
- B. Enable automatic patching for the instances using the Amazon RDS console.
- C. In AWS Config, configure a rule for the instances and the required patch level.
- D. Use AWS Systems Manager to automate database patching according to a schedule.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/rds/faqs/>

#### QUESTION 399

A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance.

Based on this situation, the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region
- D. across multiple Availability Zones in two AWS Regions

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/>

#### QUESTION 400

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency.

What should the company do to reduce latency?

- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (São Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/transit-gateway/>

#### QUESTION 401

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process.

What is the most appropriate purchasing option?

- A. Dedicated Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Reserved Instances

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

#### **QUESTION 402**

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

#### **QUESTION 403**

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup
- B. Amazon Connect
- C. AWS Direct Connect
- D. AWS Storage Gateway

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

#### **QUESTION 404**

Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

**QUESTION 405**

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

Reference <https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf> (11)

**QUESTION 406**

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

- A. Basic
- B. Business
- C. Developer
- D. Enterprise

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

**QUESTION 407**

Which AWS service or feature helps restrict the AWS services, resources, and individual API actions the users and roles in each member account can access?

- A. Amazon Cognito
- B. AWS Organizations
- C. AWS Shield
- D. AWS Firewall Manager

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

Reference: [https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

**QUESTION 408**

What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/faq/>

#### QUESTION 409

Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed such as duplicate backups?

- A. Amazon S3 Standard
- B. Amazon S3 Glacier Deep Archive
- C. Amazon S3 One Zone-Infrequent Access
- D. Amazon S3 Glacier

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/s3/storage-classes/>

#### QUESTION 410

What is an Availability Zone in AWS?

- A. One or more physical data centers
- B. A completely isolated geographic location
- C. One or more edge locations based around the world
- D. A data center location with a single source of power and networking

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

#### QUESTION 411

Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference: <https://blog.newrelic.com/engineering/best-cloud-infrastructure-automation-tools/>

**QUESTION 412**

Which AWS service enables users to create copies of resources across AWS Regions?

- A. Amazon ElastiCache
- B. AWS CloudFormation
- C. AWS CloudTrail
- D. AWS Systems Manager

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference:

<https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-aws-accounts-and-regions/>

**QUESTION 413**

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail.

Which AWS service will provide this capability?

- A. AWS Secrets Manager
- B. AWS Systems Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Certificate Manager

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awscloudtrail/latest/userguide/data-protection.html>

**QUESTION 414**

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 415**

What credential components are required to gain programmatic access to an AWS account? (Choose two.)

- A. An access key ID
- B. A primary key
- C. A secret access key
- D. A user ID

E. A secondary key

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html>

#### QUESTION 416

Which of the following are AWS compute services? (Select two.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

#### QUESTION 417

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department
- D. Use AWS Organizations

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/custom-tags.html#allocation-how>

#### QUESTION 418

What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://jayendrapatil.com/aws-consolidated-billing/>

#### QUESTION 419

Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

- A. AWS Organizations
- B. AWS Budgets
- C. Cost Explorer
- D. AWS Trusted Advisor

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

#### **QUESTION 420**

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. Amazon Macie
- D. AWS Shield

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/macie/>

#### **QUESTION 421**

Which tool can be used to monitor AWS service limits?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. AWS Trusted Advisor
- C. AWS Personal Health Dashboard
- D. AWS Cost and Usage report

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/mt/monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch/>

#### **QUESTION 422**

A company has distributed its workload on both the AWS Cloud and some on-premises servers.

What type of architecture is this?

- A. Virtual private network
- B. Virtual private cloud
- C. Hybrid cloud
- D. Private cloud

**Correct Answer:** C

**Explanation**



**Explanation/Reference:**

Reference: <https://aws.amazon.com/hybrid/>

**QUESTION 423**

Which of the following describes a security best practice that can be implemented using AWS IAM?

- A. Disable AWS Management Console access for all users
- B. Generate secret keys for every IAM user
- C. Grant permissions to users who are required to perform a given task only
- D. Store AWS credentials within Amazon EC2 instances

**Correct Answer: C**

**Explanation****Explanation/Reference:**

Reference: <https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/>

**QUESTION 424**

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub
- D. AWS Well-Architected Tool

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Explanation:

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, well-architected, and ready to use. Control Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

Reference: <https://aws.amazon.com/blogs/aws/aws-control-tower-set-up-govern-a-multi-account-aws-environment/>

**QUESTION 425**

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scaling-digital-course/>

**QUESTION 426**

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

- A. AWS Shield Advanced
- B. AWS Firewall Manager
- C. AWS WAF
- D. Amazon GuardDuty

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html>

**QUESTION 427**

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 428**

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

- A. Physical and environmental security
- B. Physical network devices including firewalls
- C. Storage device decommissioning
- D. Security of data in transit
- E. Data integrity authentication

**Correct Answer:** DE

**Explanation**

**Explanation/Reference:**

**QUESTION 429**

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm.

To optimize for cost, which Amazon EC2 purchasing option should be used?

- A. On-Demand Instances
- B. Reserved Instances
- C. Spot Instances
- D. Dedicated Hosts

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 430**

Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 431**

Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

- A. Amazon Cognito
- B. AWS Shield
- C. AWS IAM role
- D. AWS IAM user access key

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 432**

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it.

Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 433**

What is the purpose of having an internet gateway within a VPC?

- A. To create a VPN connection to the VPC
- B. To allow communication between the VPC and the Internet
- C. To impose bandwidth constraints on internet traffic
- D. To load balance traffic from the Internet across Amazon EC2 instances

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 434**

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 435**

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 436**

AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

- A. Cost optimization
- B. Auditing
- C. Serverless architecture
- D. Performance
- E. Scalability

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 437**

Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 438**

Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 439**

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production.

How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 440**

Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 441**

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

- A. Spot Instances for stateless and flexible workloads
- B. Memory optimized instances for high-compute workloads
- C. On-Demand Instances for high-cost and sustained workloads
- D. Reserved Instances for sustained workloads
- E. Spend limits set using AWS Budgets

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

**QUESTION 442**

A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements.

Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 443**

Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 444**

Which AWS service can be used to track unauthorized API calls?

- A. AWS Config
- B. AWS CloudTrail
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 445**

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 446**

A user is planning to launch two additional Amazon EC2 instances to increase availability.

Which action should the user take?

- A. Launch the instances across multiple Availability Zones in a single AWS Region.
- B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.
- C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.
- D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 447**

A company must store critical business data in Amazon S3 with a backup to another AWS Region.

How can this be achieved?



- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 448**

Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Cost Allocation Tags
- D. AWS Organizations

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 449**

What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 450**

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3.

Which AWS service can meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 451**

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

<https://docs.aws.amazon.com/vpn/latest/s2svpn/SetUpVPNConnections.html>

**QUESTION 452**

Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

- A. Spot Instances
- B. Dedicated Hosts
- C. On-Demand Instances
- D. Reserved Instances

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 453**

Which AWS cloud architecture principle states that systems should reduce interdependencies?

- A. Scalability
- B. Services, not servers
- C. Removing single points of failure
- D. Loose coupling

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 454**

What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 455**

Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 456**

Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 457**

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 458**

Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB

E. Amazon Redshift

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 459**

Which AWS managed services can be used to extend an on-premises data center to the AWS network?  
(Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 460**

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 461**

What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 462**

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report.

Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 463**

A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.

Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 464**

A company has a 500 TB image repository that needs to be transported to AWS for processing.

Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/storage/migrating-hundreds-of-tb-of-data-to-amazon-s3-with-aws-datasync/>

#### **QUESTION 465**

Which AWS service can run a managed PostgreSQL database that provides online transaction processing (OLTP)?

- A. Amazon DynamoDB
- B. Amazon Athena
- C. Amazon RDS
- D. Amazon EMR

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/rds/postgresql/>

**QUESTION 466**

Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

**Correct Answer: AB**

**Explanation**

**Explanation/Reference:**

**QUESTION 467**

A company wants to allow full access to an Amazon S3 bucket for a particular user.

Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

- A. Principal
- B. Action
- C. Resource
- D. Statement

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 468**

Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

**QUESTION 469**

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month.

What pricing model is appropriate?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Hosts

**Correct Answer: C**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/ec2/pricing/>

**QUESTION 470**

Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

**Correct Answer: D**

**Explanation****Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

**QUESTION 471**

Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

**Correct Answer: D**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

**QUESTION 472**

A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.



D. AWS Organizations.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

**QUESTION 473**

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

- A. Performance efficiency
- B. Operational excellence
- C. Reliability
- D. Security

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 474**

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

**QUESTION 475**

What is a characteristic of Convertible Reserved Instances (RIs)?

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html>

**QUESTION 476**

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components

- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 477**

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.

What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

#### **QUESTION 478**

Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

- A. Automated backups
- B. Schema management
- C. Indexing of tables
- D. Software patching
- E. Extract, transform, and load (ETL) management

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

#### **QUESTION 479**

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

**QUESTION 480**

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.

Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://aws.amazon.com/redshift/faqs/>

**QUESTION 481**

Which AWS service can be used to track resource changes and establish compliance?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

**QUESTION 482**

A user has underutilized on-premises resources.

Which AWS Cloud concept can BEST address this issue?

- A. High availability
- B. Elasticity
- C. Security
- D. Loose coupling

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

**QUESTION 483**

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.

What is the MOST cost-effective pricing model for this workload?

- A. On-Demand Instances
- B. Reserved Instances
- C. Dedicated Instances
- D. Spot Instances

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 484**

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.

What is the most suitable and cost-effective option for this task?

- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host
- D. Spot Instance

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 485**

Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

- A. Providing high-performance container orchestration
- B. Creating and rotating encryption keys
- C. Detecting underutilized resources to save costs
- D. Improving security by proactively monitoring the AWS environment
- E. Implementing enforced tagging across AWS resources

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 486**

A developer has been hired by a large company and needs AWS credentials.

Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

**Correct Answer:** AE

**Explanation****Explanation/Reference:****QUESTION 487**

Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

**Correct Answer: D**

**Explanation****Explanation/Reference:**

Reference: <https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

**QUESTION 488**

Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

**Correct Answer: B**

**Explanation****Explanation/Reference:**

Reference: <https://aws.amazon.com/redshift/>

**QUESTION 489**

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 490**

Which AWS service should be used to monitor Amazon EC2 instances for CPU and network utilization?

- A. Amazon Inspector
- B. AWS CloudTrail
- C. Amazon CloudWatch

D. AWS Config

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 491**

Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 492**

Which task requires using AWS account root user credentials?

- A. Viewing billing information
- B. Changing the AWS Support plan
- C. Starting and stopping Amazon EC2 instances
- D. Opening an AWS Support case

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 493**

A company has different AWS accounts for production and development resources. Which AWS service provides billing for all AWS accounts consolidated into a single payment method?

- A. Amazon Connect
- B. Cost Explorer
- C. AWS Trusted Advisor
- D. AWS Organizations

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 494**

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components

- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 495**

How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Select TWO.)

- A. Users can take advantage of managed services on AWS.
- B. Users can outsource operating system patching to the AWS Support team.
- C. AWS Professional Services will upgrade instances to the latest operating system versions.
- D. Users have the ability to use license-included Amazon EC2 instances.
- E. Users can take advantage of AWS Systems Manager features.

**Correct Answer: AE**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 496**

Which AWS feature or service provides visibility into abuse events that have been reported on a given AWS account?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. AWS Personal Health Dashboard
- D. Amazon Inspector

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 497**

A company wants to expand its content delivery network infrastructure. Which AWS service should be used?

- A. Amazon S3
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. Amazon Route 53

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**



**QUESTION 498**

Which benefits are included with the AWS Business Support plan? (Select TWO.)

- A. 24/7 assistance by way of live chat or a telephone call
- B. Support from a dedicated AWS technical account manager
- C. An unlimited number of cases and contacts
- D. 15-minute response time for production system interruption cases
- E. Annual operational reviews with AWS solutions architects

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 499**

Which of the following is a cost efficiency principle related to the AWS Cloud?

- A. Right-size services based on capacity requirements.
- B. Use the Billing Dashboard to access information about monthly bills.
- C. Use AWS Organizations to combine the expenses of multiple accounts into a single bill.
- D. Tag all AWS resources.

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 500**

Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Select TWO.)

- A. RDS backups are managed by AWS.
- B. RDS supports any relational database.
- C. RDS has no database engine licensing costs.
- D. RDS database compute capacity can be easily scaled.
- E. RDS inbound traffic control (for example, security groups) is managed by AWS.

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 501**

AWS can relieve a company's IT staff of which of the following IT tasks? (Select TWO.)

- A. Patching database software
- B. Storage capacity planning
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

**QUESTION 502**

What is the total amount of storage offered by Amazon S3?

- A. 100 MB
- B. 5 GB
- C. 5 TB
- D. Unlimited

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 503**

Which AWS service delivers data, videos, applications, and APIs to users globally with low latency and high transfer speeds?

- A. Amazon EC2
- B. Amazon CloudFront
- C. Amazon Connect
- D. Amazon Route 53

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 504**

A company has launched a product that requires private connectivity from an on-premises network to a VPC. Which AWS service or functionality should the company use?

- A. AWS Direct Connect
- B. VPC peering
- C. NAT gateway
- D. Internet gateway

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 505**

Which of the following are AWS IAM best practices? (Select TWO.)

- A. Enable AWS Multi-Factor Authentication (AWS MFA) for users.

- B. Enable access key sharing among users.
- C. Use inline policies instead of user-managed policies.
- D. Configure strong password policies for users.
- E. Avoid rotating credentials.

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

#### **QUESTION 506**

What should a customer do if they suspect AWS resources are being used for suspicious activity?

- A. Contact the account representative
- B. Contact the AWS Abuse team
- C. Contact the AWS Solutions Architect team
- D. Contact the AWS Support Center

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

#### **QUESTION 507**

A user is building an application on AWS that requires a backend database. The application requires access to the operating system of the instance where the database is installed in order to run scripts.

Where should the database be hosted if the user's goal is to create minimum management overhead?

- A. On Amazon RDS
- B. On Amazon EC2
- C. On Amazon DynamoDB
- D. On Amazon S3

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

#### **QUESTION 508**

Which HTTP status code is returned after a successful REST API request?

- A. 200
- B. 301
- C. 404
- D. 500

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 509**

Which disaster recovery option is the LEAST expensive?

- A. Warm Standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 510**

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Macie

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 511**

Which tool can be used to identify scheduled changes to the AWS infrastructure?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. Billing Dashboard
- D. AWS Config

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 512**

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.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 513**

Which AWS Cloud design principles can help increase reliability? (Select TWO)

- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures.
- D. Adopting a consumption model
- E. Automatically recovering from failure

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 514**

Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 515**

A company is requesting Payment Card industry (PCI) reports that validate the operating effectiveness of AWS security controls.

How should the company obtain these reports?

- A. Contact AWS Support
- B. Download reports from AWS Artifact
- C. Download reports from AWS Security Hub
- D. Contact an AWS technical account manager (TAM)

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 516**

AnyCompany recently purchased Example Corp. Both companies use AWS resources and Any Company wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

- A. Example Corp must submit its request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing.

- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 517**

A company's procurement department wants volume discounts on AWS services for the company, but numerous departments have separate AWS.

Which AWS service or tool can the company use to receive volume discounts across multiple AWS accounts?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS Organizations

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 518**

A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources.

Which AWS Service the company use?

- A. AWS Config
- B. AWS Secrets Manager
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 519**

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed.
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 520**

Which AWS service automatically handles application health monitoring?

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. AWS Config

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 521**

Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route53
- D. AWS Trusted Advisor

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 522**

A company needs network access to be restricted to an Amazon EC2 instance for certain ports. Which AWS services or features will support this requirement? (Select TWO)

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Network ACLs
- C. Security groups
- D. IAM password rotation policy
- E. Amazon Route 53 record sets

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 523**

Which AWS services offer compute capabilities? (Select TWO)

- A. Amazon EC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)



- D. Amazon Cognito
- E. AWS Lambda

**Correct Answer:** AE

**Explanation**

**Explanation/Reference:**

**QUESTION 524**

Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

- A. Creating versions of Lambda functions
- B. Maintaining server and operating systems
- C. Scaling Lambda resources according to demand
- D. Updating the Lambda runtime environment

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 525**

A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS CloudTrail
- D. AWS IAM

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 526**

How can a user protect an Amazon EC2 instance from a Suspicious IP address?

- A. Block the IP on the inbound rule of a network ACL
- B. Block the IP on the outbound rule of a security group
- C. Block the IP on the inbound rule of a security group and network ACL
- D. Block the IP on the outbound rule of a security group and network ACL

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 527**

Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. AWS CloudTrail

Answer : A

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 528**

Which AWS service, feature, or tool helps visualize the pattern of AWS spending?

- A. Cost Explorer
- B. Amazon DevPay
- C. AWS CloudTrail
- D. Consolidated billing

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 529**

Which AWS service or feature is used to send both text and email messages from distributed applications?

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 530**

A user is building a new workload on AWS and wants to estimate the monthly costs. Which AWS service or tool will provide this information?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage Report

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 531**

An external auditor has requested that a company provide a list of all its IAM users, including the status of users credentials and access keys.

What is the SIMPLEST way to provide this information?

- A. Create an IAM user account for the auditor, granting the auditor administrator permissions.
- B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.
- C. Download the IAM credential report, then provide the report to the auditor
- D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 532**

Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities?

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 533**

Which AWS service or feature can be used to prevent SQL injection attacks?

- A. Security groups
- B. Network ACLs
- C. AWS WAF
- D. IAM policy

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 534**

Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks

- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 535**

What are the benefits of consolidated billing for AWS Cloud services? (Select TWO)

- A. Volume discounts
- B. A minimal additional fee for use
- C. One bill for multiple accounts
- D. Installment payment options
- E. Custom cost and usage budget creation

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 536**

What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Select Two)

- A. Preventing a single point failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

**Correct Answer: AD**

**Explanation**

**Explanation/Reference:**

**QUESTION 537**

Which AWS service allows customers to purchase unused Amazon EC2 capacity at an often discounted rate?

- A. Reserved Instances
- B. On-Demand Instances
- C. Dedicated Instances
- D. Spot Instances

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 538**

A user wants to trigger an AWS Lambda function when an Amazon EC2 instance enters the "stopping" state. Which AWS service is appropriate for this use case?

- A. Amazon EventBridge (Amazon CloudWatch Events)
- B. AWS Config
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS CloudFormation

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 539**

A company has deployed its static website to the AWS Cloud. Which service can the company use to ensure the lowest latency for users around the globe?

- A. Amazon CloudFront
- B. Amazon S3
- C. Amazon VPC
- D. AWS Auto Scaling

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 540**

A user is building a new workload on AWS and wants to estimate the monthly costs. Which AWS service or tool will provide this information?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage Report

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 541**

How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in the Auto Scaling group.

**Correct Answer:** A

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 542**

Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

**Correct Answer: B**

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 543**

A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. Amazon EC2
- D. AWS OpsWorks

**Correct Answer: B**

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 544**

According to security best practice, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

**Correct Answer: C**

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 545**

Which AWS service will help a company plan a migration to AWS by collecting the configuration, usage, and behavior data of on

- A. AWS Resource Groups
- B. AWS Application Discovery Service
- C. AWS Service Catalog
- D. AWS Systems Manager

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 546**

A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances.

What pricing model will minimize cost while ensuring that compute resources remain available?

- A. Dedicated Hosts
- B. On-Demand instances
- C. Spot Instances
- D. Reserved Instances

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 547**

The AWS IAM best practice for granting least privilege is to:

- A. Apply an IAM policy to an IAM group and limit the size of the group
- B. Require multi-factor authentication (MFA) for all IAM users.
- C. Require each IAM user who has different permissions to have multiple passwords.
- D. Apply an IAM policy only to IAM user who require it.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 548**

Which AWS Trusted Advisor checks are available to users AWS Basic support? (select TWO.)

- A. Service limits
- B. High utilization Amazon EC2
- C. Security groups - specific ports unrestricted
- D. Load balance optimization
- E. Large number of rules in an EC2 security group

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 549**

A company learns that a user's API key has been exposed in a public code repository. The user has access to sensitive data.

What is the FIRST step the company should take to ensure the security of its data?

- A. Email the user to inform them of their mistake.
- B. Create a new API key for the user in AWS Identity and Access Management (IAM).
- C. Review the API activity of the key in AWS CloudTrail.
- D. Deactivate the user's API key in AWS Identity and Access Management (IAM).

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 550**

Which of the following services can be used to block network traffic to instance? (Select TWO.)

- A. Security groups
- B. Amazon Virtual Private Cloud (Amazon VPC) flow logs
- C. Network ACLs
- D. Amazon CloudWatch
- E. AWS CloudTrail

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 551**

A user can increase operational efficiency in the AWS Cloud by:

- A. leveraging AWS managed services
- B. right-sizing AWS infrastructure.
- C. manually creating all necessary resources.
- D. managing their own software licenses.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 552**

Amazon CloudFront provides low-latency content delivery with the help of.

- A. AWS Regions.
- B. edge
- C. Amazon VPC
- D. Availability Zones.



**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 553**

A user needs to the Status of multi accounts and must have a Comprehensive view of security findings from Amazon GuardDuty, Amazon Inspector, and Watch AWS service Will these requirements?

- A. AWS x-Ray
- B. AWS Control Tower
- C. Amazon Inspector
- D. AWS security Hub

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 554**

Which of the following is the customers responsibility when using Amazon RDS?

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery Of a DB instance
- D. Replacing failed DB instances

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 555**

A company is running multiple workloads the AWS Cloud and recently began investigating ways to reduce costs. The company is already running fault-tolerant workloads on Amazon EC2 that perform periodic checkpoint in the case of outage.

Which AWS service or pricing model can provide the GREATEST cost savings?

- A. Capacity Reservation
- B. Amazon Lightsail
- C. Spot Instances
- D. Dedicated Hosts

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 556**

What is the customer's responsibility when using AWS Lambda?

- A. Operating configuration
- B. Application management
- C. Platform management
- D. Code encryption

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 557**

A company wants to connect to AWS over a private, low-latency connection from its remote office. What is the recommended method to meet these requirements?

- A. Create a VPN tunnel.
- B. Connect across the public internet.
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 558**

Which AWS service feature requires an internet service provider (ISP) and a colocation facility to be implemented?

- A. AWS VPN
- B. Amazon Connect
- C. AWS Direct Connect
- D. Internet gateway

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 559**

A company has an AWS plan and wants to launch a new application in the AWS Cloud. The company predicts than normal traffic levels within the first 3 days of the launch.

Which AWS program or service will provide the company with dedicated planning and support assistance for this launch?

- A. AWS partner Network (APN)
- B. AWS Activate
- C. AWS Infrastructure Event management
- D. AWS support

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 560**

A is a new workload in the AWS Cloud. However, the company first wants to forecast the potential cost.

Which text should the company use to estimate the cost of the workload?

- A. Cost Explorer
- B. AWS Pricing Calculator
- C. AWS Billing and Cost Management dashboard
- D. AWS Cost and Usage Report

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 561**

Which AWS service can be used to encrypt data at rest?

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Security Hub
- D. AWS Key Management (AWS KMS)

**Correct Answer: D**

**Explanation****Explanation/Reference:****QUESTION 562**

Which AWS service can be used to encrypt data at rest?

- A. Amazon GuardDuty
- B. AWS Shield
- C. AWS Security Hub
- D. AWS Key Management Service (AWS KMS)

**Correct Answer: D**

**Explanation****Explanation/Reference:****QUESTION 563**

A company has a compliance requirement to data in transit and at rest. The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes.

Which combination of AWS services should the company use to stay compliant With this requirement? (Select TWO.)

- A. Guard Duty
- B. AWS Shield
- C. AWS Certificate manager (ACM)
- D. AWS Secrets Manager
- E. AWS Key Management Service (AWS KMS)

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

#### **QUESTION 564**

Which controls does the customer fully inherit AWS in the AWS shared responsibility model?

- A. Patch management controls
- B. Awareness and training controls
- C. Physical and environmental controls
- D. Configuration management controls

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

#### **QUESTION 565**

A company needs guaranteed Amazon EC2 capacity in three specific Availability Zones in a specific AWS Region for an upcoming event that will last 1 week.

What should the company do to guarantee the EC2 capacity?

- A. Purchase Reserved Instances that specify the Region needed.
- B. Create an On-Demand Capacity Reservation that specifies the Region needed.
- C. Purchase Reserved Instances that specify the Region and three Availability Zones needed.
- D. Create an On-Demand Capacity Reservation that specifies the Region and three Availability Zones needed.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

#### **QUESTION 566**

A company has two AWS accounts in an organization in AWS Organizations for consolidated billing. All of the company's AWS resources are hosted in one AWS Region.

Account A has purchased five Amazon EC2 Standard Reserved Instances (RIs) and has four EC2 instances running. Account B has not purchased any RIs and also has four EC2 instances running.

Which statement is true regarding pricing for these eight instances?

- A. The eight instances will be charged as regular instances.
- B. Four instances will be charged as RIs, and four will be charged as regular instances.
- C. Five instances will be charged as RIs, and three will be charged as regular instances.

D. The eight instances will be charged as RIs.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 567**

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

- A. Pay-as-you-go pricing
- B. High availability
- C. Global reach
- D. Economies of scale

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 568**

A company wants to push VPC Flow Logs to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket
- B. Managing the data in transit
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 569**

A company needs to generate a report that contains all of its AWS users and the status of their various credentials.

Which AWS service or feature should the company use?

- A. AWS CloudTrail
- B. AWS Identity and Access Management (IAM)
- C. AWS Trusted Advisor
- D. AWS Cost and Usage Report

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 570**

When an Amazon EC2 instance is terminated, which AWS service can identify the user that made the API call?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWSX-Ray
- D. AWS Identity and Access Management (IAM)

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 571**

Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

- A. AWSConfig
- B. Amazon GuardDuty
- C. AWS Trusted Advisor
- D. AWS Artifact

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 572**

Which AWS service or feature can a developer use to access AWS services programmatically?

- A. AWS Management Console
- B. AWS software development kits (SDKs)
- C. AWS CodeDeploy
- D. AWS CodePipeline

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 573**

Which characteristics are advantages of using the AWS Cloud? (Select TWO.)

- A. A 100% service level agreement (SLA) for all AWS services
- B. Compute capacity that is adjusted on demand
- C. Availability of AWS Support for code development
- D. Enhanced security
- E. Increases in cost and complexity

**Correct Answer: BD**

**Explanation****Explanation/Reference:****QUESTION 574**

A system administrator wants to add an additional layer of login security to a user's AWS Management Console.

Which AWS service, feature, or tool should the administrator use to accomplish this task?

- A. Amazon Cloud Directory
- B. IAM role
- C. Multi-factor authentication (MFA)
- D. AWS CloudTrail

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 575**

A company wants to quickly implement a continuous integration/continuous delivery (CI/CD) pipeline.

Which AWS service will meet this requirement?

- A. AWS Config
- B. Amazon Cognito
- C. AWS DataSync
- D. AWS CodeStar

**Correct Answer: D**

**Explanation****Explanation/Reference:****QUESTION 576**

Which AWS service or tool should a company use to centrally request and track service limit increases?

- A. AWSConfig
- B. Service Quotas
- C. AWS Service Catalog
- D. AWS Budgets

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 577**

A company wants to push VPC Flow to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket
- B. Managing the data in transit
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 578**

A company administrator needs to give users on the development team permission to use the AWS Management Console.

Which AWS service should the administrator use?

- A. AWS Config
- B. AWS Identity and Management (IAM)
- C. Amazon GuardDuty
- D. AWS Shield

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 579**

Which actions are best practices for an AWS account root user? (Select TWO).

- A. Share root user credentials with team members.
- B. Create multiple root users for the account, separated by environment.
- C. Enable multi-factor authentication (MFA) on the root user.
- D. Create an IAM user with administrator privileges for daily administrative tasks, instead of using the root user.
- E. Use programmatic access instead of the root user and password.

**Correct Answer:** CE

**Explanation**

**Explanation/Reference:**

**QUESTION 580**

Which AWS service enables users to check for vulnerabilities on Amazon EC2 instances by using predefined assessment templates?

- A. AWS WAF
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS Shield

**Correct Answer:** C



**Explanation****Explanation/Reference:****QUESTION 581**

According to the AWS shared responsibility model, the customer is responsible for maintaining:

- A. Physical access to the AWS network.
- B. The patching of the host operating system.
- C. Data encryption in Amazon S3.
- D. The operating system for Amazon DynamoDB.

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 582**

Which AWS service can be used to run Amazon EC2 instances on-premises at a user site?

- A. AWS Snowball Edge
- B. Amazon CloudFront
- C. Lambda@Edge
- D. AWS Lambda

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 583**

What should a company use to help predict the cost of running a marketing promotion on AWS infrastructure?

- A. Explorer
- B. AWS Support Center
- C. AWS pricing Calculator
- D. AWS Total cost of Ownership (TCO) Calculator

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 584**

Which feature of the AWS Cloud can help minimize application downtime?

- A. Global reach
- B. High availability
- C. Elasticity
- D. Agility

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 585**

Which AWS service will track user activity on AWS?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Amazon CloudWatch

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 586**

Which AWS service or feature allows a user to set up consolidated billing?

- A. AWS Billing Management Console.
- B. AWS Organizations.
- C. AWS Cost and Usage Report.
- D. AWS Systems Manager

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 587**

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS Batch
- D. AWS config

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 588**

Which AWS service provides the ability to host a NoSQL database in the AWS Cloud?

- A. Amazon Aurora
- B. Amazon DynamoDB
- C. Amazon RDS
- D. Amazon Redshift

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 589**

Which of the following is a fully managed graph database service on AWS?

- A. Amazon Aurora
- B. Amazon FSx
- C. Amazon DynamoDB
- D. Amazon Neptune

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 590**

A user wants to transport data between AWS and an on-premises environment using a private network connection.

Which AWS service or feature can be used to meet these requirements?

- A. NAT gateway
- B. AWS Direct Connect
- C. Amazon VPC
- D. Internet gateway

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 591**

A user needs a relational database but does not have the resources to manage the hardware, resiliency, replication.

Which AWS service option meets the user's requirements?

- A. Run MySQL on Amazon Elastic Container Service (Amazon ECS).
- B. Run MySQL on Amazon EC2.
- C. Choose Amazon RDS for MySQL.
- D. Choose Amazon ElastiCache for Redis.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 592**

Which AWS service is designed to help users who want to use machine learning for natural language processing (NLP) but do not have experience in machine learning?

- A. Amazon Comprehend
- B. Amazon SageMaker
- C. AWS Deep Learning AMIs (DLAMI)
- D. Amazon Recognition

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 593**

Which aspect of AWS infrastructure enables global deployment of compute and storage?

- A. Availability Zones
- B. Regions
- C. Tags
- D. Resource groups

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 594**

Which of the following are benefits of using the AWS Cloud instead of on-premises data centers? (Select TWO.)

- A. Unlimited free storage
- B. Pay-as-you-go pricing
- C. Access to physical hardware
- D. One-time upfront cost.
- E. On-demand resource provisioning.

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**

**QUESTION 595**

Which Amazon EC2 pricing model provides the MOST cost savings for an always-up, right-sized database server running for a project that will last 1 year?

- A. On-Demand Instances.
- B. Convertible Instances
- C. Spot Instances
- D. Standard Reserved Instances.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 596**

What is an IAM best practice for AWS account root user access keys?

- A. Delete all user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to production database instances.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 597**

How the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 598**

Which of the following should be considered when performing a Total cost of Ownership (TCO) analysis?

- A. Currency fluctuations
- B. Data center overhead
- C. Data security
- D. Network utilization

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 599**

A company needs to migrate an existing on-premises database to the AWS Cloud. The company must be able to install custom software on the database instance.

Which AWS service can the company use to meet these requirements?

- A. Amazon DynamoDB
- B. Amazon RDS
- C. Amazon EC2
- D. Amazon Redshift

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 600**

What are characteristics of AWS IAM users and groups? (Select TWO.)

- A. Groups can nested and can contain other groups.
- B. A user can be a member of multiple groups.
- C. Groups can contain users only and cannot be nested.
- D. A user can only a member of a single group at one time.
- E. All new users are automatically added to a default group.

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 601**

A company runs thousands of simultaneous simulations using AWS Batch. Each simulation is stateless, is fault tolerant, and runs for up to 3 hours.

Which pricing model enables the company to optimize costs and meet these requirements?

- A. Reserved Instances
- B. Spot Instances
- C. On-Demand Instances
- D. Dedicated Instances

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 602**

Which AWS services or features help decrease network latency for a globally dispersed user base? (Select TWO.)

- A. Amazon VPC
- B. Elastic Load Balancer
- C. Amazon CloudFront
- D. AWS Direct Connect
- E. AWS Global Accelerator

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 603**

A company needs a storage that:

- Is low-cost.
- Is for infrequently accessed data.
- Quickly accesses data when required.
- Does not require data to be resilient.

Which Amazon S3 storage option should the company use?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 One Zone-infrequent Access (S3 One Zone-IA)
- D. S3 Glacier

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 604**

Which AWS service offers the LEAST expensive means of storing static images?

- A. Amazon S3
- B. Amazon DynamoDB
- C. AWS Snowball
- D. Amazon Elastic Block Store (Amazon EBS)

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 605**

A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

- A. Amazon S3 Glacier
- B. AWS Storage Gateway
- C. AWS Backup
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 606**

A user is building a simple online calculator and wants to use AWS compute as cost-effectively as possible. The calculator must highly available for even a small.

Where should the code for calculations be hosted?

- A. On an Amazon EC2 Memory Optimized Reserved Instance.

- B. On an Amazon EC2 Compute Optimized Instance.
- C. On an Amazon EC2 Compute Optimized Spot Instance.
- D. In an AWS Lambda function.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 607**

A user needs to import 100 TB of video files into Amazon S3. The user has estimated that it will take months to move the files over an on-premises internet connection.

Which AWS service can be used to improve the data time?

- A. Amazon S3 Transfer Accelerator
- B. AWS Snowball
- C. AWS storage Gateway
- D. AWS DataSync

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 608**

A user wants to deploy a service to the AWS Cloud by using infrastructure-as-code (IAC) principles.

Which AWS service can be used to meet this requirement?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS CodeCommit
- D. AWS Config

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 609**

What does the AWS Concierge Support team provide?

- A. A technical expert dedicated to the user
- B. A primary point of contact for AWS Billing and AWS Support.
- C. A partner to help provide scaling guidance for an event launch.
- D. A dedicated AWS staff member who reviews the user's application architecture.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**



**QUESTION 610**

Which AWS tool gives users the ability to plan their service costs, and instance reservations, and also allows them to set custom alerts when their costs or usage exceed established thresholds?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. Reserved Instance reporting

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 611**

According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Select TWO.)

- A. Network infrastructure and virtualization of infrastructure.
- B. Security of application data
- C. Guest operating systems
- D. Physical security of hardware
- E. Credentials and policies

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 612**

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

- A. Pay-as-you-go pricing
- B. High availability
- C. Global reach
- D. Economies of scale

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 613**

A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. AWS Direct Connect
- D. VPC peering

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 614**

Which services can be used to deploy applications on AWS? (Select TWO.)

- A. AWS Elastic Beanstalk
- B. AWS Config
- C. AWS OpsWorks
- D. AWS Application Discovery Service
- E. Amazon Kinesis

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 615**

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.

Which AWS service should the company use?

- A. Amazon GuardDuty
- B. AWS WAF
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 616**

A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs).

Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Select TWO.)

- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**

**QUESTION 617**

A company needs to generate a report that contains all of its AWS users and the status of their various credentials.

Which AWS service or feature should the company use?

- A. AWS CloudTrail
- B. AWS Identity and Access Management (IAM)
- C. AWS Trusted Advisor
- D. AWS Cost and Usage

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 618**

A company wants to adopt AWS Cloud at scale. The company need solutions that will help achieve compliance and implement best practices with day-to-day infrastructure management.

Which AWS service should the company chose to automate patch management and operational overhead and risk?

- A. AWS Security Hub
- B. AWS Systems Manager
- C. Amazon GuardDuty
- D. AWS Managed Services

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 619**

A company is building an application that requires the ability to send, store, and receive messages between application components. The Company has another requirement to process messages in first-in, first-out (FIFO) order.

Which AWS service should the company use?

- A. AWS Step Functions
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Kinesis Data Streams
- D. Amazon Simple Queue Service (Amazon SQS)

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 620**

Which AWS service or tool helps to centrally manage billing and allow controlled access to resources across AWS accounts?

- A. AWS Identity and Access Management (IAM)
- B. AWS Organizations
- C. Cost Explorer
- D. AWS Budgets

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 621**

A company has refined its workload to use specific AWS services to improve efficiency and reduce cost.

Which best practice for cost government does this example show?

- A. Resource controls
- B. Cost allocation
- C. Architecture optimization
- D. Tagging enforcement

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 622**

Which of the following is an AWS best practice for managing an AWS account root user?

- A. Keep the root user password with the security team.
- B. Enable multi-factor authentication (MFA) for the root user.
- C. Create an access key for the root user.
- D. Keep the root user password consistent for compliance purposes.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 623**

A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption.

Which AWS infrastructure component should the company replicate across?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 624**

A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 625**

Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 626**

Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?

- A. AWS Config
- B. AWS Systems Manager
- C. AWS Personal Health Dashboard
- D. AWS Trusted Advisor

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 627**

A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

- A. Amazon DynamoDB
- B. Amazon S3 Glacier
- C. Amazon Connect
- D. Amazon ElastiCache

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 628**

The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 629**

Which AWS trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification Setup
- B. Refresh checks
- C. AWS support API
- D. Action links

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 630**

A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds.

Which AWS service will meet these requirements?

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon Connect

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 631**

Which of the following is a characteristic of an AWS Region?

- A. Multiple Regions make up an Availability Zone.
- B. A Region is a logical Collection of edge locations.
- C. There is no charge for data replication across Regions.
- D. Multiple Availability Zone make up a Region.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 632**

Which AWS service or feature can be used to monitor for potential disk write spikes on a system running on Amazon EC2?

- A. AWS CloudTrail
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor
- D. Amazon CloudWatch

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 633**

What does AWS Identify and Access Management (IAM) do?

- A. Delivers data, videos, applications, and APIs to users.
- B. Provides access to on-premises resources
- C. Create and manages public SSL/TLS certificates.
- D. Helps securely control access to AWS resources.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 634**

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 635**

A company needs to build applications using GraphQL. The applications must have robust databases along with search and compute capabilities.

Which AWS service will support this use case?

- A. Amazon DynamoDB
- B. AWS AppSync
- C. Amazon CloudSearch
- D. AWS Data Pipeline

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 636**

An Amazon Connect instance stores call recordings in an Amazon S3 bucket.

Which statement regarding the AWS shared responsibility model applies to this situation?

- A. Amazon is responsible for ensuring that S3 encryption is enabled.
- B. The customer must enable cross-Region replication to be compliant with the Payment Card Industry Data Security Standard (PCI DSS).
- C. The customer is responsible for bucket encryption.
- D. Amazon Support will be able to decrypt the call recordings.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 637**

Which feature can be used to protect Amazon S3 buckets from accidental overwrites or deletes?

- A. Lifecycle policy
- B. Bucket versioning
- C. Server-side encryption
- D. Bucket ACL

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 638**

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?



- A. Agility
- B. Elasticity
- C. Reliability
- D. Durability

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 639**

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed.
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 640**

A company is expecting a short-term spike in internet traffic for its application. During the traffic increase, the application cannot be interrupted. The company also needs to minimize cost and maximize flexibility. Which Amazon EC2 instance type should the company use to meet these requirements?

- A. On-Demand Instances
- B. Spot Instances
- C. Reserved Instances
- D. Dedicated Hosts

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 641**

How can a user request service limit increases in an AWS account?

- A. Increase the limit by changing AWS account settings.
- B. Create a support case in AWS Support Center
- C. Contact AWS Professional Services
- D. Increase the limit by using AWS Trusted Advisor.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 642**

Which actions are the responsibility of AWS under the AWS shared responsibility model? (Select Two)

- A. Scanning AWS service endpoints for vulnerabilities.
- B. Enabling encryption on an Amazon S3 bucket.
- C. Configuring security group rules.
- D. Enforcing application access restrictions.
- E. Encrypting traffic on the AWS backbone between global and regional AWS facilities.

**Correct Answer:** AE

**Explanation**

**Explanation/Reference:**

**QUESTION 643**

An AWS user wants to proactively detect when an instance or account might be compromised or if there are threats from attacks.

Which AWS service should the user choose?

- A. Amazon GuardDuty
- B. AWS WAF
- C. AWS Shield
- D. Amazon Inspector

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 644**

What is a feature of Amazon Route 53?

- A. Routing users to infrastructure both inside and outside AWS.
- B. Providing a private connection to infrastructure inside AWS.
- C. Providing a private connection to infrastructure outside AWS.
- D. Distributing content across edge locations.

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 645**

How does AWS help reduce capital expenditures?

- A. AWS provides unlimited free storage and data transfer with a 1-year contract.
- B. AWS Budgets automatically terminate resources when a billing threshold is reached.
- C. Cost Explorer automatically terminates resources responsible for high costs.
- D. AWS offers pay-as-you-go payment models.

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 646**

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

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 647**

Which of the following is a fully managed MySQL-compatible database?

- A. Amazon S3
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Aurora

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 648**

Which actions are the responsibility of AWS, according to the AWS shared responsibility model? (Select TWO.)

- A. Securing the virtualization layer.
- B. Patching the operating system on Amazon EC2 instances.
- C. Enforcing a strict password policy for IAM users.
- D. Patching the operating system on Amazon RDS instances.
- E. Configuring security groups and network ACLs.

**Correct Answer: AB**  
**Explanation**

**Explanation/Reference:**

<https://aws.amazon.com/compliance/shared-responsibility-model/>

**QUESTION 649**

A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable. Which AWS service can facilitate this data transfer?

- A. Amazon S3 Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 650**

Which security-related task is the responsibility of the customer in the AWS Cloud?

- A. Securing infrastructure at data centers.
- B. Maintaining firewall configurations at a hardware level.
- C. Maintaining networking among hardware components.
- D. Maintaining server-side encryption.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 651**

What are the market advantages of running workloads in the AWS Cloud? (Select Two)

- A. Less staff time is required to deploy new workloads.
- B. Increased time to market for new application features.
- C. Higher acquisition costs to support peak workloads.
- D. Increased productivity for application development teams.
- E. A decrease in the average server CPU utilization.

**Correct Answer:** BD

**Explanation**

**Explanation/Reference:**

AD or BD

**QUESTION 652**

When comparing AWS Cloud with on-premises Total Cost of Ownership, which expresses must be considered? (Select Two)

- A. Physical storage hardware
- B. Operating system administration
- C. Network infrastructure of data center
- D. Project management
- E. Database schema development

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

Corrected

**QUESTION 653**

A company uses Amazon EC2 instances in its AWS account for several different workloads. The company needs to perform an analysis to understand the cost of each workload. What is the MOST operationally efficient way to meet this requirement?

- A. Move the EC2 instances for each workload into separate AWS accounts.
- B. Use a different EC2 instance family for each of the workloads.
- C. Add cost allocation tags to each EC2 instance, and activate the tags.
- D. Update the workload applications to publish usage data to a cost allocation database.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 654**

Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency, high throughput, and redundancy?

- A. Economies of scale
- B. Security
- C. Elasticity
- D. Global reach

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 655**

An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted.

What is the MOST cost-effective Amazon EC2 pricing option for this application?

- A. Dedicated Instances
- B. Spot Instances
- C. Reserved Instances
- D. On-Demand Instances

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 656**

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources needed to refactor the application, but management wants to reduce operational overhead as part of the migration.

What database service would MOST effectively support these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL server.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 657**

A business analyst is investigating a billing charge for Amazon S3 in an AWS account. Which AWS service or tool can the business analyst use to investigate the charge?

- A. Amazon CloudWatch
- B. AWS Pricing Calculator
- C. Cost Explorer
- D. Savings Plans Coverage Report

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 658**

Which encryption types can be used to protect objects at rest in Amazon S3? (Select Two)

- A. Server-side encryption with S3 managed encryption keys (SSE-S3)
- B. Server-side encryption with AWS KMS managed encryption keys (SSE-KMS)
- C. TLS
- D. SSL
- E. Transparent Data Encryption (TDE)

**Correct Answer: AB**

**Explanation**

**Explanation/Reference:**

**QUESTION 659**

Under the AWS shared responsibility model, what is the customer's responsibility when using an AWS managed service?

- A. Physical security of the data centers
- B. Server-side encryption
- C. Customer data
- D. Operating system patching

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 660**

Which of the following are user authentication services managed by AWS? (Select Two)

- A. Amazon Cognito
- B. AWS Lambda
- C. AWS License Manager
- D. AWS Identity and Access Management (IAM)
- E. AWS CodeStar

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 661**

A company is looking for a way to encrypt data stored on Amazon S3. Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 662**

Which AWS service will track user activity on AWS?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Amazon CloudWatch

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 663**

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

- A. Implement automation
- B. Design for agility
- C. Design for failure
- D. Implement elasticity

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 664**

A company is running a container-native application and wants to migrate the application to AWS. The company does not want to pay for complete resources that it is not using. Which AWS solution should the company use to meet these requirements?

- A. Amazon Elastic Container service (Amazon ECS) with a compute engine of Amazon EC2.
- B. Amazon Elastic Container Service (Amazon ECS) with a compute engine of AWS Fargate.
- C. Amazon EC2
- D. AWS Lambda

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**  
Not sure

**QUESTION 665**

Which AWS service or component allows inbound traffic from the internet to access a VPC?

- A. Internet gateway
- B. NAT gateway
- C. AWS WAF
- D. VPC Peering

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 666**

Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?

- A. AWS CloudTrail
- B. Amazon Inspector
- C. Amazon CloudWatch
- D. VPC Flow Logs

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 667**

A company is building a business intelligence solution and wants to use dashboards for reporting purposes. Which AWS service can be used?

- A. Amazon Redshift



- B. Amazon Elasticsearch Service (Amazon ES)
- C. Amazon QuickSight
- D. Amazon Athena

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 668**

A company is creating multiple accounts on AWS to run workloads. The company wants to centrally view and manage security alerts and automate compliance checks.

Which AWS service should company use?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. Amazon Inspector
- D. Amazon Detective

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 669**

Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

- A. AWS Trusted Advisor
- B. Amazon CloudWatch
- C. VPC Flow Logs
- D. AWS CloudTrail

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 670**

Which AWS service or tool allows users to visualize, understand, and manage AWS costs and usage over time?

- A. AWS Budgets
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. Cost Explorer

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 671**

A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks.

How can this be resolved?

- A. Enable AWS shield Advanced.
- B. Create a custom IAM policy
- C. Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace.
- D. Use AWS Key Management Service (AWS KMS) to create a customer-managed key.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 672**

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Select Two)

- A. AWS automatically distributes the data globally for higher durability
- B. AWS will take care of operating the application.
- C. AWS makes it easy to architect for high availability
- D. AWS can easily accommodate application demand changes.
- E. AWS takes care of application security patching.

**Correct Answer: CD**

**Explanation**

**Explanation/Reference:**

chnaged to CD from DE

**QUESTION 673**

Which tasks are responsibilities of AWS, according to the AWS shared responsibility model? (Select Two)

- A. Ensuring IAM users have least privilege access
- B. Managing encryption of user data
- C. Ensuring security of physical data centers
- D. Managing firewall configuration
- E. Protecting the infrastructure that runs AWS services.

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 674**

Which AWS service or tool should a company use to forecast AWS spending?

- A. Amazon DevPay
- B. AWS Organizations
- C. AWS Trusted Advisor
- D. Cost Explorer

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 675**

According to the AWS shared responsibility model, when using Amazon RDS, who is responsible for scheduling and performing backups?

- A. AWS is responsible for both tasks.
- B. The customer is responsible for scheduling and AWS is responsible for performing backups.
- C. The customer is responsible for both tasks.
- D. AWS is responsible for scheduling and the user is responsible for performing backups.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 676**

Which tasks require using AWS account root user credentials? (Select Two)

- A. Creating an Amazon EC2 key pair
- B. Removing an IAM user from the administrators group.
- C. Changing the AWS support plan
- D. Creating an Amazon CloudFront key pair
- E. Granting an IAM user full administrative access.

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

not sure

**QUESTION 677**

According to the AWS shared responsibility model, which of the following is the responsibility of AWS?

- A. Data encryption in transit
- B. Firmware updates on hardware
- C. Operating system patching on Amazon EC2 instances.
- D. Data encryption at rest

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 678**

A company has multiple departments. Each department uses its own AWS account. Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

- A. Amazon Forecast
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Marketplace.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 679**

A company needs access to cloud support engineers 24 hours a day, 7 days a week. What is the LEAST expensive AWS Support plan that meets this requirement?

- A. AWS Basic Support
- B. AWS Business Support
- C. AWS Developer Support
- D. AWS Enterprise Support

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 680**

A cloud practitioner needs to effective methods to decrease application latency and increase performance for end users.

Which services will help? (Select Two)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes.
- B. Amazon S3
- C. Amazon Appstream 2.0
- D. Amazon ElastiCache
- E. Amazon Cloudfront

**Correct Answer: DEE**

**Explanation**

**Explanation/Reference:**

**QUESTION 681**

A Cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud.

How can these reports be generated?

- A. Contact the AWS Compliance team.
- B. Download the reports from AWS Artifact.
- C. Open a case with AWS Support.
- D. Generate the reports with Amazon Macie.

**Correct Answer: B**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 682**

If a user has an AWS account with an Enterprise-level AWS Support plan, who is the primary point of contact for billing or account inquiries?

- A. Solutions architect
- B. AWS Concierge Support team
- C. An AWS Marketplace seller
- D. AWS Partner Network (APN) partner

**Correct Answer: A**

## **Explanation**

### **Explanation/Reference:**

Changed from B to A

#### **QUESTION 683**

Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

- A. AWS Organizations
- B. AWS Budgets
- C. Cost Explorer
- D. AWS Trusted Advisor

**Correct Answer: B**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 684**

To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access.

Which AWS service will support this requirement?

- A. VPC Flow Logs
- B. AWS WAF
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer: D**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 685**

What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- A. It simplifies relational database administration tasks.

- B. It provides 99.9999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enables users to dynamically adjust CPU and RAM resources.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 686**

A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

- A. Basic
- B. Developer
- C. Business
- D. Enterprise

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 687**

Which of the following can be used to describe infrastructure as code in the AWS Cloud?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS CodeDeploy
- D. AWS Amplify

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 688**

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency sensitive applications?

- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge Locations

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 689**

A company uses Amazon DynamoDB in its AWS Cloud architecture. According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Select Two)

- A. Operating system patching and upgrades
- B. Application of appropriate permission with IAM tools.
- C. Configuration of data encryption options.
- D. Creation of DynamoDB endpoints.
- E. Infrastructure provisioning and maintenance.

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 690**

Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?

- A. Amazon EMR
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Athena

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 691**

Which guidelines are best practices for using AWS Identity and Access Management (IAM)? (Select Two)

- A. Share access keys.
- B. Create individual IAM users.
- C. Use inline policies instead of customer managed policies.
- D. Grant maximum privileges to IAM users.
- E. Use groups to assign permissions to IAM users.

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

**QUESTION 692**

What is the security best practice concerning sensitive data stored in Amazon S3?

- A. Enable cross-Region replication on the S3 bucket.
- B. Enable S3 server-side encryption on the S3 bucket.
- C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 693**

In which of the following is Amazon Cloudfront content cached?

- A. Availability Zones
- B. Local Zones
- C. AWS Regions
- D. Edge locations

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 694**

A company wants high levels of detection and near-real-time (NRT) mitigation against large and sophisticated distributed denial of service (DDoS) attacks on applications running on AWS. Which AWS service should the company use?

- A. Amazon GuardDuty
- B. Amazon Inspector
- C. AWS Shield Advanced
- D. Amazon Macie

**Correct Answer: C**  
**Explanation**

**Explanation/Reference:**

**QUESTION 695**

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

- A. AWS Regions
- B. Availability Zones
- C. Local Zones
- D. Edge Locations

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 696**

A company uses Amazon S3 buckets. One of the company's departments enabled S3 Cross-Region Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual.

Which AWS service or feature can the company use to confirm that the cost increase was caused by the data



replication?

- A. Consolidated billing
- B. Cost Explorer
- C. AWS Pricing Calculator
- D. AWS Trusted Advisor

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 697**

Which of the following are benefits of the AWS Business Support plan? (Select Two)

- A. Dedicated AWS technical account manager (TAM)
- B. Response time of less than 15 minutes for business-critical cases
- C. Phone, email, and chat support 24 hours a day, 7 days a week.
- D. Full set of AWS Trusted Advisor best practice checks
- E. Well-Architected reviews

**Correct Answer: CD**

**Explanation**

**Explanation/Reference:**

**QUESTION 698**

A company is using AWS Auto Scaling groups to ensure there are enough AWS resources to meet demand for workloads with varying traffic. Which benefit are the groups providing?

- A. Economies of scale
- B. Agility
- C. Elasticity
- D. Security

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 699**

A company needs to migrate an important workload to AWS. Management requires the AWS Support team to respond to business-critical issues in 30 minutes or less. Which level of AWS Support should the company use?

- A. AWS Enterprise support
- B. AWS Business Support
- C. AWS Basic Support
- D. AWS Developer Support

**Correct Answer: A**  
**Explanation**

**Explanation/Reference:**

**QUESTION 700**

Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

- A. High availability
- B. Decoupled architecture
- C. Resilience
- D. Elasticity

**Correct Answer: D**  
**Explanation**

**Explanation/Reference:**

**QUESTION 701**

Which of the following describes an AWS Region?

- A. A specific location within a geographic area that provides high availability.
- B. A set of data centers spanning multiple countries.
- C. A global picture of a user's cloud computing environment.
- D. A collection of databases that can be accessed from a specific geographic area only.

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 702**

A company needs to migrate all of its development teams to a cloud-based integrated development environment (IDE).

Which AWS service should the company use?

- A. AWS CodeBuild
- B. AWS Cloud9
- C. AWS OpsWorks
- D. AWS Cloud Development Kit (AWS CDK)

**Correct Answer: B**  
**Explanation**

**Explanation/Reference:**

**QUESTION 703**

A company is migrating 200 TB of data from an on-premises data center to AWS. Over time, the company wants to automatically migrate infrequently accessed data to less expensive, long-term storage.

Which Amazon S3 storage class should the company use to meet these requirements?

- A. S3 Intelligent-Tiering
- B. S3 Standard-Infrequent Access (S3 Standard-IA)
- C. S3 Glacier
- D. S3 Standard

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 704**

A company needs to send time-critical messages to multiple subscribers through a push mechanism. Which AWS service should the company use?

- A. Amazon Kinesis
- B. Amazon MQ
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon Simple Notification Service (Amazon SNS)

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 705**

A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.

Which AWS architectural approach will MOST effectively support these requirements?

- A. Single-Region, Multi-AZ architecture
- B. Multi-Region, active-active architecture
- C. Multi-Region, active-passive architecture
- D. Single-Region Single-AZ architecture

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 706**

A company plans to create a data lake that uses Amazon S3.

Which factor will have the MOST effect on cost?

- A. The selection of S3 storage tiers
- B. Charges to transfer existing data into Amazon S3.
- C. The addition of S3 bucket policies
- D. S3 ingest fees for each request

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 707**

A user can optimize Amazon EC2 costs by performing which of the following tasks? (Select TWO.)

- A. Implementing Auto Scaling groups to add and remove instances based on demand.
- B. Creating a policy to restrict IAM users from creating new instances.
- C. Setting a budget to limit spending on EC2 instances using AWS Budgets.
- D. Purchasing Instances Instances.
- E. Adding EC2 instances to a second AWS Region that is geographically close to the end users.

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 708**

AWS Advisor can monitor and provide advice on what characteristics of an AWS account? (Select TWO.)

- A. Compliance with security best practices
- B. Application performance
- C. Network utilization
- D. Cost optimization
- E. Compliance status

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 709**

Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

- A. On-Demand Instances
- B. Standard Reserved Instances
- C. Spot Instances
- D. Convertible Reserved Instances

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 710**

According to the AWS shared responsibility model, which of the following is the customer responsible for when using AWS Lambda?

- A. Physical security of the hardware on which Lambda runs
- B. Upgrades of the programming language versioning
- C. Infrastructure supporting Lambda

D. Application security of the code uploaded to Lambda

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 711**

Which controls are shared under the AWS shared responsibility model? (Select TWO.)

- A. Awareness and training
- B. Patching of Amazon RDS
- C. Configuration management
- D. Physical and environmental controls
- E. Service and communications protection or security

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 712**

Which of the following is an AWS value proposition that describes a user's ability to scale infrastructure based on demand?

- A. Speed of innovation
- B. Resource elasticity
- C. Decoupled architecture
- D. Global deployment

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 713**

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO.)

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

**QUESTION 714**

When using Amazon RDS, what is the customer responsible for?

- A. Patching and maintenance of the underlying operating system
- B. Managing automatic backups of the database
- C. Controlling network access through security groups
- D. Replacing failed instances in the event of a hardware failure

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 715**

A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients.

Which AWS service should the company use?

- A. Amazon S3
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon S3 Glacier

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 716**

A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.

Which EC2 instance pricing model should the company select?

- A. Reserved Instances
- B. On-Demand Instances
- C. Spot Instances
- D. Dedicated Hosts

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 717**

A company is migrating legacy monolithic applications to AWS and building them out as micro services.

Which AWS services or features should the company use to get hands-on support to develop code? (Select Two)

- A. AWS Professional Services
- B. AWS Partner Network (APN)
- C. AWS technical account manager (TAM)
- D. AWS support

E. AWS Marketplace

**Correct Answer:** AB

**Explanation**

**Explanation/Reference:**

**QUESTION 718**

A company is building a business intelligence solution using Amazon Redshift. The company wants to use an AWS service to create interactive dashboards and not pay any upfront costs for it. Which service should the company use?

- A. Amazon CloudWatch
- B. AWS Personal Health Dashboard
- C. AWS Service Catalog
- D. Amazon QuickSight

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 719**

A company wants to implement an automated security assessment of the security and network accessibility of its Amazon EC2 instances. Which AWS service can be used to accomplish this?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 720**

Which AWS services help to improve application performance by reducing latency while accessing content globally? (Select TWO)

- A. Amazon CloudFront
- B. AWS VPN
- C. AWS Direct Connect
- D. AWS Global Accelerator
- E. Amazon S3 Glacier

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

**QUESTION 721**

When a user wants to utilize their existing per-socket, per-core, or per-virtual machine software licenses for a Microsoft Windows server running on AWS, which Amazon EC2 instance type is required?

- A. Spot instances
- B. Dedicated instances
- C. Dedicated Hosts
- D. Reserved Instances

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 722**

Which of the following is a way to use Amazon EC2 Auto Scaling groups to scale capacity in the AWS Cloud?

- A. Scale the number of EC2 instances in or out automatically, based on demand.
- B. User serverless EC2 instances.
- C. Scale the size of EC2 instances up or down automatically based on demand.
- D. Transfer unused CPU resources between EC2 instances.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 723**

Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Select Two)

- A. Hardware maintenance
- B. Power and cooling
- C. Storage costs
- D. Space for data center
- E. Network costs

**Correct Answer: CE**

**Explanation**

**Explanation/Reference:**

**QUESTION 724**

Using AWS Identity and Access Management (IAM), what can be attached to an Amazon EC2 instance to make service requests?

- A. Group
- B. Role
- C. Policy
- D. Access key



**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 725**

Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?

- A. AWS X-Ray
- B. AWS Shield
- C. AWS Trusted Advisor
- D. AWS CloudTrail

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 726**

Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

- A. AWS Direct Connect
- B. VPC peering
- C. AWS VPN
- D. Amazon Route 53

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 727**

Which task requires the use of AWS account root account user credentials?

- A. Closing an AWS account
- B. Creating a log file
- C. Modifying IAM user permissions
- D. Deleting IAM users

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 728**

A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation and configuration.

Which AWS service should the company use to host the databases?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon DynamoDB
- D. Amazon Aurora

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 729**

What AWS billing support resource is available to all support levels?

- A. AWS Support concierge
- B. AWS Customer Service
- C. AWS technical account manager
- D. AWS Business Support

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 730**

Which guideline is a well-architected design principle for building cloud applications?

- A. Keep static data closer to compute resources
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure
- D. Use tightly coupled components.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 731**

How can a user achieve high availability for a web application hosted on AWS?

- A. Use a Classic Load Balancer across multiple AWS Regions.
- B. Use an Application Load Balancer across multiple Availability Zones in one AWS Region.
- C. Set up automatic scaling and load balancing with another application instance running on premises.
- D. Use the AWS Region with the highest number of Availability Zones.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 732**

Which of the following is an example of a cost-saving feature of the AWS cloud?

- A. It eliminates the cost of data storage.
- B. It eliminates the cost of auditing and compliance.
- C. It deploys highly available architectures with a global footprint.
- D. It leverages reserved instances.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 733**

A company's client-side web application needs to retrieve data from Amazon DynamoDB. Which service or mechanism should the company use to meet this requirement?

- A. AWS CLI
- B. AWS software development kit (SDK)
- C. Infrastructure as code (IaC)
- D. AWS Management Console

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 734**

A company wants to improve the overall availability and performance of its applications that are hosted on AWS.

Which AWS service should the company use?

- A. Amazon Connect
- B. Amazon Lightsail
- C. AWS Global Accelerator
- D. AWS Storage Gateway

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 735**

How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- A. By providing a consolidated view of monthly billing across multiple accounts.
- B. By pooling usage across multiple accounts to achieve a pricing tier discount.
- C. By automating the creation of new accounts through APIs.
- D. By leveraging service control policies (SCPs) for centralized service management.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 736**

Which of the following are advantages of using Amazon EC2 instances over traditional on-premises servers?  
(Select Two)

- A. Pay-as-you-go pricing
- B. Automation
- C. Self-maintenance of servers
- D. Agility
- E. Access to physical hosts

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 737**

A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often.

Which Amazon S3 storage class will MINIMIZE the cost of the system?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Glacier
- C. S3 Intelligent-Tiering
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 738**

A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups. Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 739**

A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS.

Which AWS service or feature should the officer use?

- A. Amazon VPC

- B. AWS VPN
- C. AWS Direct Connect
- D. Amazon Connect

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 740**

Which AWS service facilitates transporting 50 GB of data from an on-premises data center to an Amazon S3 bucket without using a network connection?

- A. AWS Snowball
- B. AWS CodeDeploy
- C. AWS Backup
- D. AWS Direct Connect

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 741**

Which AWS service does AWS Snowball Edge natively support?

- A. AWS server Migration Service (AWS SMS)
- B. Amazon Aurora
- C. AWS Trusted Advisor
- D. Amazon EC2

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 742**

Which AWS service continuously audits AWS resources and enables them to assess overall compliance?

- A. Amazon CloudWatch
- B. AWS Config
- C. AWS CloudTrail
- D. AWS Trusted Advisor

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 743**

Which AWS service shows whether an Amazon EC2 instance has failed status checks?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Service Health Dashboard
- D. AWS Cloud Map

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 744**

Which of the following are economic benefits of using the AWS Cloud? (Select Two)

- A. Consumption-based pricing
- B. Perpetual licenses
- C. Economies of scale
- D. AWS Enterprise Support at no additional cost
- E. Bring-your-own hardware model

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 745**

A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 746**

A company uses AWS Direct Connect and wants to establish connectivity that spans VPCs across multiple AWS Regions.

Which AWS service or feature should the company use to meet these requirements?

- A. AWS Transit Gateway
- B. AWS PrivateLink
- C. Amazon Connect
- D. Amazon Route 53

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 747**

A user has an AWS account with a Business-level AWS support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM)
- B. Contact the dedicated AWS Concierge Support team
- C. Open a business-critical system down support case.
- D. Open a production system down support case.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 748**

A company must process a large amount of data from social media accounts by making graphical queries with high throughput.

Which AWS service will help the company design a cloud architecture that will meet these requirements?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon Neptune
- D. Amazon Redshift

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 749**

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select Two)

- A. Minimize upfront design
- B. Loose coupling
- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

**Correct Answer: AE**

**Explanation**

**Explanation/Reference:**

**QUESTION 750**

A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.

Which AWS services or resources should the company use? (Select Two)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

**Correct Answer:** CD

**Explanation**

**Explanation/Reference:**

**QUESTION 751**

A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales.

Which AWS service, tool, or feature should the company use to meet this requirement?

- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer rightsizing recommendations.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 752**

Service control policies (SCPs) manage permissions for which of the following?

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations
- D. Edge locations

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 753**

According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

- A. Amazon DynamoDB
- B. Amazon EC2 instances
- C. Amazon RDS instances
- D. Amazon S3

**Correct Answer:** B



### Explanation

### Explanation/Reference:

#### QUESTION 754

Which of the following are advantages of the AWS cloud? (Select Two)

- A. AWS management of user-owned infrastructure.
- B. Ability to quickly change required capacity
- C. High economies of scale
- D. Increased deployment time to market
- E. Increased fixed expenses

**Correct Answer:** BC

### Explanation

### Explanation/Reference:

#### QUESTION 755

A developer is writing a new application that consists of multiple AWS microservices. During quality assurance testing, the developer notices runtime errors in several areas of the application. Which AWS service should the developer use to help troubleshoot the errors?

- A. AWS CloudTrail
- B. AWS X-Ray
- C. Amazon Cloudwatch
- D. Amazon Cognito

**Correct Answer:** B

### Explanation

### Explanation/Reference:

#### QUESTION 756

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

**Correct Answer:** B

### Explanation

### Explanation/Reference:

#### QUESTION 757

A company needs to improve the response rate of high-volume queries to its relational database. Which AWS service should the company use to offload requests to the database and improve overall response times?

- A. Amazon DynamoDB Accelerator (DAX)
- B. Amazon ElastiCache
- C. Elastic Load Balancing
- D. AWS Global Accelerator

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 758**

Where can a user receive help with deploying popular technologies based on AWS best practices, including architecture and deployment instruction?

- A. Amazon QuickSight
- B. AWS Artifact
- C. AWS Config
- D. AWS Quick Starts

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 759**

Which guideline is a well-architected design principle for building cloud applications?

- A. Keep static data closer to compute resources.
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure.
- D. Use tightly coupled components.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 760**

A company previously lost data that was in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration.

Which AWS service should the company use to meet these requirements?

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. CloudEndure Disaster
- D. AWS Backup

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 761**

Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 762**

Which AWS service enables companies to deploy an application close to end users?

- A. Amazon CloudFront
- B. AWS Auto Scaling
- C. AWS AppSync
- D. Amazon Route 53

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 763**

A company with AWS Enterprise Support has questions about its consolidated bill. Which AWS service, feature, or tool should the company use for assistance?

- A. AWS Pricing Calculator
- B. AWS Concierge Support
- C. AWS Trusted Advisor
- D. AWS Budgets

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 764**

A database engineer wants to use Provisioned IOPS storage for an online transaction processing (OLTP) database workload on production. Which AWS service should the engineer use?

- A. Amazon S3
- B. Amazon Elastic Block Store (Amazon EBS)
- C. AWS Snowball
- D. Amazon S3 Glacier

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 765**

Which AWS service or resource helps on-premises applications connect to AWS Cloud-based storage and caches the data locally for low-latency access?

- A. AWS Direct Connect
- B. AWS Storage Gateway
- C. Amazon S3
- D. AWS Snowball Edge

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 766**

To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources.

Which AWS service will meet these requirements?

- A. AWS Organizations
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. AWS Config

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 767**

Which operations help reduce costs when a company moves to the AWS Cloud? (Select Two)

- A. Right-Sizing infrastructure
- B. Trading fixed costs for variable costs
- C. Matching supply and demand
- D. Applying tagging strategies
- E. Designing highly available architectures

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 768**

Which AWS service enables the decoupling and scaling of applications?

- A. Amazon Simple Queue Service (Amazon SQS)
- B. AWS Outposts
- C. Amazon S3
- D. Amazon Simple Email Service (Amazon SES)

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 769**

Which AWS service acts as a data extract, transform, and load (ETL) tool to make it easy to prepare data for analytics?

- A. Amazon QuickSight
- B. Amazon Athena
- C. AWS Glue
- D. AWS Elastic Beanstalk

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 770**

Which cloud computing advantage is a company applying when it uses AWS Regions to increase application availability to users in different countries?

- A. Pay-as-you-go pricing
- B. Capacity forecasting
- C. Economies of scale
- D. Global reach

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 771**

According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

- A. Amazon DynamoDB
- B. Amazon EC2 instances
- C. Amazon RDS instances
- D. Amazon S3

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 772**

Which AWS service provides proactive recommendations for environment optimization?

- A. AWS Trusted Advisor
- B. AWS Artifact
- C. AWS Config
- D. AWS X-Ray

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 773**

A company manages an on-premises MySQL database on a Windows server. The company wants to migrate the database to AWS and needs a solution that will reduce the administrative overhead of the database. Which AWS service will meet this requirement?

- A. Amazon Redshift
- B. Amazon ElastiCache
- C. Amazon RDS
- D. Amazon Elastic File system (Amazon EFS)

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 774**

How long have you worked with AWS technology?

- A. Less than one year
- B. 1 year to less than 2 years
- C. 2 years to less than 5 years
- D. 5 years or more

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 775**

Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Elastic Beanstalk
- D. Amazon Redshift

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 776**

Which cloud characteristics enable a company to provision or release computing capacity as required? (Select Two)

- A. Scalability
- B. Economies of scale
- C. Elasticity
- D. Agility
- E. Reliability

**Correct Answer:** AC

**Explanation**

**Explanation/Reference:**

**QUESTION 777**

A company needs to track its AWS account user activity and expedite responses to auditor requests.

Which AWS service should the company use to meet these requirements?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. Amazon Inspector

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 778**

A company wants to launch its workload on AWS and requires the system to automatically recover from failure.

Which pillar Of the AWS Well-Architected Framework includes this requirement?

- A. Cost optimization
- B. Operational excellence
- C. Performance efficiency
- D. Reliability

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

**QUESTION 779**

Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

- A. Security
- B. Reliability
- C. Performance efficiency
- D. Cost optimization

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 780**

A company needs to simultaneously process hundreds of requests from different users. Which combination of AWS services should the use to build an efficient solution?

- A. Amazon Simple Queue Service (Amazon SQS) and AWS Lambda
- B. AWS Data Pipeline and Amazon EC2
- C. Amazon Kinesis and Amazon Athena
- D. AWS Amplify and AWS AppSync

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 781**

A customer is deploying a new serverless application running on AWS Lambda.

Which of following are the customer's under the AWS shared responsibility model? (Select TWO.)

- A. Application management
- B. Platform management
- C. Application identity and access
- D. Storage infrastructure
- E. AWS infrastructure

**Correct Answer: AC**

**Explanation**

**Explanation/Reference:**

**QUESTION 782**

A company uses Amazon EC2 instances and wants to maintain high availability in distributed locations.

Which choice should the company make for the location of its EC2 instances?

- A. Use a single Availability Zone in multiple edge locations.
- B. Use multiple Availability Zones in multiple AWS Regions.
- C. Use multiple Availability Zones in a single AWS Region.



D. Use multiple Availability Zones in multiple edge locations.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 783**

A company has a stateless application that can handle interruptions. The application must be available all day and night. Traffic increases heavily during business hours.

Which instance types base and peak traffic are MOST to meet these requirements?

- A. Reserved Instances for both the base and traffic
- B. Instances Instances for base traffic and Spot Instances for traffic using an Amazon EC2 Fleet
- C. On-Demand Instances for base traffic and On-Demand Instances with auto scaling for peak traffic
- D. On-Demand Instances for base traffic and Spot Instances for peak traffic using an Amazon EC2 Fleet

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 784**

A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups.

Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 785**

A company with AWS Enterprise Support has questions about its consolidated bill.

Which AWS service, feature, or tool should the company use for assistance?

- A. AWS Pricing Calculator
- B. AWS Concierge Support
- C. AWS Trusted Advisor
- D. AWS Budgets

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 786**

A company wants to implement an automated security assessment of the security and network accessibility of its Amazon EC2 instances.

Which AWS service can be used to accomplish this?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 787**

According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda.
- B. Updating the operating system of Amazon DynamoDB instances.
- C. Maintaining Amazon S3 infrastructure.
- D. Updating the guest operating system on Amazon EC2 instances.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 788**

A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.

Which service will meet these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. AWS CloudFormation

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 789**

Service control policies (SCPs) manage permissions for which of the following?

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations
- D. Edge locations

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 790**

Which Amazon S3 storage Class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Correct Answer: C**

**Explanation****Explanation/Reference:****QUESTION 791**

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

- A. Cost allocation tags
- B. Key pairs
- C. Amazon Inspector
- D. AWS Trusted Advisor

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 792**

Which AWS service uses a combination of publishers and subscribers?

- A. AWS Lambda
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon CloudWatch
- D. AWS CloudFormation

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 793**

A company must compare the cost of running a MySQL database on an Amazon EC2 instance and Amazon RDS DB instance. Which AWS service or tool should the company

- A. AWS Budgets
- B. AWS Control Tower

- C. AWS outposts
- D. AWS Pricing Calculator

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 794**

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores.

How can the company meet this requirement in the AWS Cloud?

- A. Launch an Amazon EC2 instance with default tenancy
- B. Launch an Amazon EC2 instance on a Dedicated Host.
- C. Create an On-Demand Capacity Reservation.
- D. Purchase Dedicated Reserved Instances.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 795**

Which databases are available on Amazon RDS? (Select Two)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

**Correct Answer: BE**

**Explanation**

**Explanation/Reference:**

**QUESTION 796**

Who pays for usage incurred by users under a member account in an organization in AWS Organizations?

- A. The owner of the member account pays for all usage.
- B. The owners of the master account and the member account share the usage.
- C. The owner of the master account pays for all usage.
- D. The owner of the member account pays for usage that exceeds the thresholds set in AWS Budgets.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 797**

What is a benefit of using AWS serverless computing?

- A. Application deployment and management are not required.
- B. Application security will fully managed by AWS
- C. Monitoring and logging are not needed
- D. Management of infrastructure is offloaded to AWS.

**Correct Answer:** D

**Explanation**

**Explanation/Reference:**

#### **QUESTION 798**

Which AWS services or features can control VPC traffic? (Select TWO.)

- A. Security groups
- B. AWS Direct Connect
- C. Amazon GuardDuty
- D. Network ACLs
- E. Amazon Connect

**Correct Answer:** AD

**Explanation**

**Explanation/Reference:**

#### **QUESTION 799**

A company needs its finance team to receive a notification when the monthly bill reaches a preset limit. What should the company do to meet this requirement?

- A. Request that the AWS technical account manager (TAM) monitor the billing and notify the finance team.
- B. Use Amazon Simple Notification Service (Amazon SNS) to notify the finance team.
- C. Use Service Quotas to set limits and enable an automatic notification for the finance team.
- D. Enable AWS Budgets with an alert to notify the finance team.

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

#### **QUESTION 800**

A user to frequently access objects that require high durability. Which Amazon S3 storage class should the user choose?

- A. S3 Standard
- B. S3 Glacier
- C. Reduced Redundancy storage (RRS)
- D. S3 Intelligent-Tiering

**Correct Answer:** A

**Explanation**

**Explanation/Reference:**

**QUESTION 801**

Which AWS service or feature enables users to get one bill and easily track for multiple AWS accounts?

- A. AWS Organizations
- B. Cost Explorer
- C. AWS Trusted Advisor
- D. AWS Management Console

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 802**

A company wants to allocate AWS costs across three departments that use AWS for separate business purposes.

Which account structure would enable the company to maintain a central view of all three accounts while keeping each account independent from the others?

- A. Use AWS Organizations. Create one account and use cost allocation tagging to allocate costs.
- B. Use AWS Organizations. Create three accounts and use consolidated billing to view allocated costs.
- C. Use AWS Identity and Access Management (IAM). Create three accounts and use the monthly cost allocation report to view allocated costs.
- D. Use AWS Identity and Management (IAM). Create one account and use the monthly cost allocation report to view allocated costs.

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 803**

Which of the following are customer responsibilities under the AWS shared responsibility model? (Select TWO.)

- A. Physical security of AWS facilities
- B. Configuration of security groups.
- C. Encryption of customer data on AWS
- D. Management of AWS Lambda infrastructure
- E. Management of network throughput of each AWS Region.

**Correct Answer: BC**

**Explanation**

**Explanation/Reference:**

**QUESTION 804**

A company is a migration from on premises to the AWS Cloud. The company's IT team needs to offload

support of the workload.

What should the IT team do to accomplish this goal?

- A. Use AWS Managed Services to provision, run, and support the company infrastructure.
- B. Build hardware refreshes into the operational calendar to ensure availability.
- C. Use Amazon Elastic Container Service (Amazon ECS) on Amazon EC2 instances.
- D. Overprovision compute capacity for seasonal events and traffic to spikes to prevent downtime.

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 805**

What does Amazon CloudFront provide?

- A. Automatic scaling for all to power an application from a single unified interface.
- B. Secure delivery of data, videos, applications, and APIs to users globally with low latency.
- C. Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo DNS, geoproximity, and weighted round robin.
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, IP addresses, and AWS Lambda functions.

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 806**

A company runs its business-critical web application on Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB. The workload spikes up to 10 times the normal workload multiple times during the day. Which AWS Cloud feature enables the company to meet these changes in demand?

- A. Agility
- B. Global reach
- C. Scalability
- D. Security

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 807**

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

**Correct Answer: D**

**Explanation****Explanation/Reference:****QUESTION 808**

A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time.

Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?

- A. VPC endpoints
- B. AWS Transit Gateway
- C. Amazon Route 53
- D. AWS Secrets Manager

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 809**

Which AWS service is a fully hosted version control service?

- A. AWS CodeCommit
- B. AWS CodeBuild
- C. AWS CodeDeploy
- D. AWS CodeStar

**Correct Answer: A**

**Explanation****Explanation/Reference:****QUESTION 810**

A company needs help managing multiple AWS linked accounts that are reported on a consolidated bill.

Which AWS Support plan includes an AWS concierge whom the company can ask for assistance?

- A. AWS Developer Support
- B. AWS Enterprise Support
- C. AWS Business Support
- D. AWS Basic Support

**Correct Answer: B**

**Explanation****Explanation/Reference:****QUESTION 811**

Which AWS service or feature offers the ability to automatically create new AWS accounts?



- A. Cost Explorer
- B. AWS Organizations
- C. Amazon SageMaker
- D. Amazon CloudFront

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 812**

An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting. Which AWS service should the administrator use to address these concerns?

- A. AWS WAF
- B. Amazon VPC
- C. Amazon GuardDuty
- D. Amazon CloudWatch

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 813**

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts.

Which AWS service should the company use to achieve this goal?

- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 814**

A security engineer wants a single-tenant AWS solution to create, control, and manage their own cryptographic keys to meet regulatory compliance requirements for data security. Which AWS service should the engineer use?

- A. AWS Key Management Service (AWS KMS)
- B. AWS Certificate Manager (ACM)
- C. AWS CloudHSM
- D. AWS Systems Manager

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 815**

A company is required to store its data close to its primary users. Which benefit of the AWS Cloud supports this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

**Correct Answer: D**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 816**

A company is planning to migrate to AWS and wants to ensure its data is encrypted at rest. Which AWS service requires the company to specifically enable encryption at rest?

- A. AWS CloudTrail
- B. Amazon S3
- C. AWS Storage Gateway
- D. AWS Backup

**Correct Answer: B**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 817**

A company wants to use a serverless compute engine for containers. The company needs the service to automatically allocate the correct amount of compute. Which AWS service should the company use?

- A. Amazon Elastic Kubernetes Service (Amazon EKS)
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS Fargate
- D. AWS Lambda

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 818**

Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 819**

Which pillar of the AWS Well-Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (IaC)?

- A. Operation excellence
- B. Reliability
- C. Performance efficiency
- D. Security

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 820**

A company wants to maintain bandwidth throughput and provide a more consistent network experience than public internet-based connections.

Which AWS service should the company choose?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon Connect
- D. Amazon CloudFront

**Correct Answer: B**

**Explanation**

**Explanation/Reference:**

**QUESTION 821**

A company with an AWS Business Support plan wants to identify Amazon EC2 Reserved Instances that are scheduled to expire.

Which AWS service or feature can the company use to accomplish this goal?

- A. AWS Personal Health Dashboard
- B. Elastic Load Balancing health checks
- C. AWS Trusted Advisor
- D. EC2 instance status checks

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 822**

A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS.

Which AWS service should the company use to meet these requirements?

- A. AWS Device Farm
- B. AWS Fargate
- C. AWS Outposts
- D. AWS Ground Station

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 823**

What is an example of a decoupled, scalable, cloud-based application?

- A. A mail and log application that runs on a single Amazon EC2 instance.
- B. A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database.
- C. An Application Load Balancer, web server, and database server that support a monolithic application.
- D. A legacy database server that is running on the maximum instance size supported by its license

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 824**

Which AWS service provides a report that enables users to assess AWS infrastructure compliance?

- A. AWS Certificate Manager (ACM)
- B. Amazon DocumentDB (with MongoDB compatibility)
- C. AWS Artifact
- D. AWS Trusted Advisor

**Correct Answer: C**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 825**

A company recently purchased a domain name and wants Amazon to manage the DNS records. Which AWS service should the company use?

- A. AWS config
- B. AWS CloudFormation
- C. Amazon Route 53
- D. AWS Identity and Access Management (IAM)

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 826**

Which AWS service or feature natively provides an encrypted connection that can be used to move data from on-premises infrastructure to the AWS Cloud?

- A. AWS Direct Connect
- B. VPC endpoint
- C. AWS VPN
- D. AWS PrivateLink

**Correct Answer: C**

**Explanation**

**Explanation/Reference:**

**QUESTION 827**

Which of the following is a component of AWS global infrastructure?

- A. Edge locations
- B. Network ACLs
- C. Placement groups
- D. Subnets

**Correct Answer: A**

**Explanation**

**Explanation/Reference:**

**QUESTION 828**

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.

**Correct Answer: D**

**Explanation**

**Explanation/Reference:**

**QUESTION 829**

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users

Which services will help? (Select TWO.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

**Correct Answer:** DE

**Explanation**

**Explanation/Reference:**

**QUESTION 830**

Which AWS service simplifies the creation, maintenance, validation, sharing, and deployment of Linux or Windows Server templates for use with Amazon EC2 and on-premises VMs?

- A. AWS CodePipeline
- B. Amazon EC2 Image Builder
- C. AWS CloudFormation
- D. Amazon EC2 Amazon Machine Image (AMI)

**Correct Answer:** C

**Explanation**

**Explanation/Reference:**

**QUESTION 831**

A company wants durable storage for static content and infinitely scalable data storage infrastructure at the lowest cost.

Which AWS service should the company choose?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

**Correct Answer:** B

**Explanation**

**Explanation/Reference:**

**QUESTION 832**

Elasticity in the AWS Cloud refers to which of the following? (Select TWO.)

- A. How quickly an Amazon EC2 instance can be restarted
- B. The ability to rightsize resources as demand shifts

- C. The maximum amount of RAM an Amazon EC2 instance can use
- D. The pay-as-you-go billing model
- E. How easily resources can be procured when they are needed

**Correct Answer:** BE

**Explanation**

**Explanation/Reference:**

Dump4Pass

Which AWS services can be used to facilitate organizational change management, part of the Reliability pillar of AWS Well-Architected Framework? (Select three)

- Amazon Inspector
- AWS Trusted Advisor
- Amazon CloudWatch (Correct)
- Amazon GuardDuty
- AWS CloudTrail (Correct)
- AWS Config (Correct)

A big data analytics company is moving its IT infrastructure from an on-premises data center to AWS Cloud. The company has some server-bound software licenses that it wants to use on AWS. As a Cloud Practitioner, which of the following EC2 instance types would you recommend to the company?

- Dedicated Host (Correct)
- Reserved Instance
- On-Demand Instance
- Dedicated Instance

A research group wants to use EC2 instances to run a scientific computation application that has a fault tolerant architecture. The application needs high-performance hardware disks that provide fast I/O performance. As a Cloud Practitioner, which of the following storage options would you recommend as the MOST cost-effective solution?

- EBS
- S3
- EFS
- Instance Store (Correct)

Compared to the On-demand prices, what is the highest possible discount offered for spot instances?

- 10
- 90 (Correct)
- 75
- 50

Which of the following is the MOST cost-effective option to purchase an EC2 Reserved Instance?

- All upfront payment option with standard 1-year term
- Partial upfront payment option with standard 3-years term (Correct)
- No upfront payment option with standard 3-years term
- No upfront payment option with standard 1-year term

Which tool/service will help you access AWS services using programming language-specific APIs?

- AWS Management Console
- Language-specific Integrated Development Environments (IDE)
- AWS Command Line Interface (CLI)
- AWS Software Developer Kit (SDK) (Correct)

A medical research startup wants to understand the compliance of AWS services concerning HIPAA guidelines. Which AWS service can be used to review the HIPAA compliance and governance-related documents on AWS?



- **AWS Trusted Advisor**
- **AWS Secrets Manager**
- **AWS Artifact (Correct)**
- **AWS Systems Manager**

A company wants to move to AWS cloud and release new features with quick iterations by utilizing relevant AWS services whenever required. Which of the following characteristics of AWS Cloud does it want to leverage?

- **Scalability**
- **Elasticity**
- **Reliability**
- **Agility (Correct)**

Which AWS service will help you receive alerts when the reservation utilization falls below the defined threshold?

- **AWS Trusted Advisor**
- **AWS Pricing Calculator**
- **AWS CloudTrail**
- **AWS Budgets (Correct)**

A company needs a storage solution for a project wherein the data is accessed less frequently but needs rapid access when required. Which S3 storage class is the MOST cost-effective for the given use-case?

- **Amazon S3 Standard**
- **Amazon S3 Standard-Infrequent Access (S3 Standard-IA) (Correct)**
- **Amazon S3 Glacier (S3 Glacier)**
- **Amazon S3 Intelligent-Tiering (S3 Intelligent-Tiering)**

Which of the following S3 storage classes takes the most time to retrieve data (also known as first byte latency)?

- **S3 Glacier**
- **S3 Standard**
- **S3 Intelligent-Tiering**
- **S3 Glacier Deep Archive (Correct)**

Which of the following are correct statements regarding the AWS Global Infrastructure? (Select two)

- **Each AWS Region consists of one or more Availability Zones**
- **Each Availability Zone (AZ) consists of two or more discrete data centers**
- **Each Availability Zone (AZ) consists of one or more discrete data centers (Correct)**
- **Each AWS Region consists of two or more Availability Zones (Correct)**
- **Each AWS Region consists of two or more Edge Locations**

A company runs an application on a fleet of EC2 instances. The company wants to automate the traditional maintenance job of running timely assessments and checking for OS vulnerabilities. As a Cloud Practitioner, which service will you suggest for this use case?

- **Amazon Inspector (Correct)**
- **AWS Shield**
- **Amazon GuardDuty**

- **Amazon Macie**

A startup wants to set up its IT infrastructure on AWS Cloud. The CTO would like to get an estimate of the monthly AWS bill based on the AWS services that the startup wants to use. As a Cloud Practitioner, which AWS service would you suggest for this use-case?

- **AWS Cost & Usage Report**
- **AWS Cost Explorer**
- **AWS Pricing Calculator (Correct)**
- **AWS Budgets**

A startup wants to provision an EC2 instance for the lowest possible cost for a long-term duration but needs to make sure that the instance would never be interrupted. As a Cloud Practitioner, which of the following options would you recommend?

- **Reserved Instance (Correct)**
- **Dedicated Host**
- **Spot Instance**
- **On-Demand Instance**

Which security service of AWS is enabled for all AWS customers, by default, at no additional cost?

- **AWS Secrets Manager**
- **AWS Shield Standard (Correct)**
- **AWS Web Application Firewall (AWS WAF)**
- **AWS Shield Advanced**

According to the AWS Shared Responsibility Model, which of the following are responsibilities of AWS? (Select two)

- **Creating S3 bucket policies for appropriate user access**
- **Creating IAM role for accessing Amazon EC2 instances**
- **Maintaining Amazon S3 data in different availability zones to keep it durable (Correct)**
- **Replacing faulty hardware of Amazon EC2 instances (Correct)**
- **Enabling Multi Factor Authentication on AWS accounts in your organization**

Which type of Cloud Computing does Amazon Elastic Compute Cloud (EC2) represent?

- **Network as a Service (NaaS)**
- **Software as a Service (SaaS)**
- **Platform as a Service (PaaS)**
- **Infrastructure as a Service (IaaS) (Correct)**

A multi-national company has just moved its infrastructure from its on-premises data center to AWS Cloud. As part of the shared responsibility model, AWS is responsible for which of the following?

- **Service and Communications Protection or Zone Security**
- **Patching guest OS**
- **Configuring customer applications**
- **Physical and Environmental controls (Correct)**

A data analytics company is running a proprietary batch analytics application on AWS and wants to use a storage service which would be accessed by hundreds of EC2 instances simultaneously to append data to existing files. As a Cloud Practitioner, which AWS service would you suggest for this use-case?

- Instance Store
- S3
- EBS
- EFS (Correct)

What are the advantages that AWS Cloud offers over a traditional on-premises IT infrastructure? (Select two)

- Eliminate guessing on your infrastructure capacity needs (Correct)
- Make a capacity decision before deploying an application, to reduce costs
- Trade capital expense for variable expense (Correct)
- Provide lower latency to applications by maintaining servers on-premises
- Increase speed and agility by keeping servers and other required resources ready before time in your data centers

A Project Manager, working on AWS for the first time, is confused about how credits are used in AWS. There are two credits available in the manager's account. Credit one is for \$100, expires July 2022, and can be used for either Amazon S3 or Amazon EC2. Credit two is for \$50, expires December 2022, and can be used only for Amazon EC2. The manager's AWS account has incurred two charges: \$1000 for Amazon EC2 and \$500 for Amazon S3.

What will be the outcome on the overall bill once the credits are used? (Select two)

- Credit one is applied, which expires in July, to the Amazon EC2 charge which leaves you with a \$900 Amazon EC2 charge and a \$500 Amazon S3 charge (Correct)
- Then, credit two is applied to the remaining \$900 of Amazon EC2 usage (Correct)
- Only one credit can be used in one billing cycle and the customer has a choice to choose from the available ones
- Credit one is applied, which expires in July, to Amazon S3 usage which leaves you with a \$1000 Amazon EC2 charge and a \$400 Amazon S3 charge
- Then, credit two is applied to \$500 for Amazon S3 usage

Which of the following AWS Support plans provides access to online training with self-paced labs?

- Developer
- Business
- Basic
- Enterprise (Correct)

Which of the following is CORRECT regarding removing an AWS account from AWS Organizations?

- The AWS account must be able to operate as a standalone account. Only then it can be removed from AWS organizations (Correct)
- The AWS account must not have any Service Control Policies (SCPs) attached to it. Only then it can be removed from AWS organizations
- Raise a support ticket with AWS Support to remove the account
- The AWS account can be removed from AWS Systems Manager

An e-commerce company has deployed an RDS database in a single Availability Zone. The engineering team wants to ensure that in case of an AZ outage, the database should continue working on the same endpoint without any manual administrative intervention. Which of the following solutions can address this use-case?

- Deploy the database via Elastic Beanstalk
- Configure the database in RDS Multi-AZ deployment with automatic failover to the standby (Correct)
- Provision the database via CloudFormation
- Configure the database in RDS read replica mode with automatic failover to the standby

A financial services company wants to ensure that its AWS account activity meets the governance, compliance and auditing norms. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

- Config
- CloudWatch
- CloudTrail (Correct)
- Trusted Advisor

Which of the following AWS Support plans provide access to only 7 core checks from the AWS Trusted Advisor Best Practice Checks? (Select two)

- Enterprise
- Business
- Basic (Correct)
- Corporate
- Developer (Correct)

AWS Shield Advanced provides expanded DDoS attack protection for web applications running on which of the following resources? (Select two)

- AWS Elastic Beanstalk
- Amazon Route 53 (Correct)
- AWS CloudFormation
- Amazon API Gateway
- AWS Global Accelerator (Correct)

Which of the following AWS Support plans provide access to guidance, configuration, and troubleshooting of AWS interoperability with third-party software? (Select two)

- Business (Correct)
- Enterprise (Correct)
- Basic
- Developer
- Corporate

Which of the following are the storage services offered by the AWS Cloud? (Select two)

- S3 (Correct)
- SNS
- SQS
- EFS (Correct)
- EC2

Which AWS services can be used to decouple components of a microservices based application on AWS Cloud? (Select two)

- Lambda
- SQS (Correct)
- Step Function
- EC2
- SNS (Correct)

Which of the following AWS services has encryption enabled by default?

- CloudTrail Logs (Correct)
- Amazon S3
- Elastic Block Storage (EBS)
- Elastic File Storage (EFS)

Which of the following statements are CORRECT regarding the AWS VPC service? (Select two)

- A NACL can have allow rules only
- A NAT Instance is managed by AWS
- A Security Group can have allow rules only (Correct)
- A NAT Gateway is managed by AWS (Correct)
- A Security Group can have both allow and deny rules

Which of the following is a serverless AWS service?

- EC2
- Beanstalk
- EMR
- Lambda (Correct)

An IT company is planning to migrate from an on-premises environment to AWS Cloud. Which of the following expense areas would result in cost savings when the company moves to AWS Cloud? (Select two)

- Developer salary
- Data center physical security expenditure (Correct)
- Project manager salary
- SaaS application license fee
- Computing hardware infrastructure expenditure (Correct)

Which AWS Route 53 routing policy would you use to route traffic to multiple resources and also choose how much traffic is routed to each resource?

- Simple routing policy
- Latency routing policy
- Failover routing policy
- Weighted routing policy (Correct)

The DevOps team at an IT company is moving 500 GB of data from an EC2 instance to an S3 bucket in the same region. Which of the following scenario captures the correct charges for this data transfer?

- The company would not be charged for this data transfer (Correct)
- The company would only be charged for the inbound data transfer into the S3 bucket
- The company would be charged for both the outbound data transfer from EC2 instance as well as the inbound data transfer into the S3 bucket
- The company would only be charged for the outbound data transfer from EC2 instance

Which AWS Service can be used to mitigate a Distributed Denial of Service (DDoS) attack?

- **AWS Shield (Correct)**
- Amazon CloudWatch
- AWS KMS
- AWS Systems Manager

Which of the following AWS services should be used to automatically distribute incoming traffic across multiple targets?

- **AWS Elastic Load Balancing (Correct)**
- AWS Elastic Beanstalk
- AWS Auto Scaling
- Amazon Elasticsearch

Which of the following AWS Support plans provides access to Infrastructure Event Management for an additional fee?

- **Business (Correct)**
- Developer
- Basic
- Enterprise

A silicon valley based healthcare startup stores anonymized patient health data on Amazon S3. The CTO further wants to ensure that any sensitive data on S3 is discovered and identified to prevent any sensitive data leaks. As a Cloud Practitioner, which AWS service would you recommend addressing this use-case?

- AWS Secrets Manager
- Amazon Polly
- AWS Glue
- **Amazon Macie (Correct)**

A company wants to improve the resiliency of its flagship application so it wants to move from its traditional database system to a managed AWS database service to support active-active configuration in both the East and West US AWS regions. The active-active configuration with cross-region support is the prime criteria for any database solution that the company considers.

Which AWS database service is the right fit for this requirement?

- **Amazon Relational Database Service (Amazon RDS) for MySQL**
- Amazon Aurora with multi-master clusters
- Amazon DynamoDB with DynamoDB Accelerator
- **Amazon DynamoDB with global tables (Correct)**

A company wants to have control over creating and using its own keys for encryption on AWS services. Which of the following can be used for this use-case?

- AWS Owned CMK
- **Customer Managed CMK (Correct)**
- AWS Managed CMK
- Secrets Manager

An intern at an IT company provisioned a Linux based On-demand EC2 instance with per-second billing but terminated it within 30 seconds as he wanted to provision another instance type. What is the duration for which the instance would be charged?

- 300 seconds
- 60 seconds (Correct)
- 600 seconds
- 30 seconds

A web application stores all of its data on Amazon S3 buckets. A client has mandated that data be encrypted before sending it to Amazon S3.

Which of the following is the right technique for encrypting data as needed by the customer?

- Encryption is enabled by default for all the objects written to Amazon S3. Additional configuration is not required
- Enable client-side encryption using AWS encryption SDK (Correct)
- Enable server-side encryption with KMS keys stored in AWS Key Management Service (SSE-KMS)
- Enable server-side encryption with Amazon S3-Managed Keys (SSE-S3)

AWS Web Application Firewall (WAF) offers protection from common web exploits at which layer?

- Layer 4
- Layer 7 (Correct)
- Layer 3
- Layer 4 and 7

Which of the following is an INCORRECT statement about Scaling, a design principle of Reliability pillar of the AWS Well-Architected Framework.

- Fault tolerance is achieved by Vertical Scaling (Correct)
- Fault tolerance is achieved by Horizontal scaling
- Vertical Scaling implies you scale by adding more power (CPU, RAM) to your existing machine/node
- Horizontal Scaling implies you scale by adding more instances to your existing pool of resources

Which of the following AWS services can be used to connect a company's on-premises environment to a VPC without using the public internet?

- Site-to-Site VPN
- AWS Direct Connect (Correct)
- Amazon VPC Endpoint
- Internet Gateway

Which of the following is a benefit of using AWS managed services such as Amazon RDS?

- The customer needs to patch the underlying OS
- The customer needs to manage database backups
- The performance of AWS managed RDS instance is better than a customer-managed database instance (Correct)
- There is no need to optimize database instance type and size

A unicorn startup is building an analytics application with support for a speech-based interface. The application will accept speech-based input from users and then convey results via speech. As a Cloud Practitioner, which solution would you recommend for the given use-case?

- **Use Amazon Polly to convert speech to text for downstream analysis. Then use Amazon Translate to convey the text results via speech**
- **Use Amazon Transcribe to convert speech to text for downstream analysis. Then use Amazon Polly to convey the text results via speech (Correct)**
- **Use Amazon Translate to convert speech to text for downstream analysis. Then use Amazon Polly to convey the text results via speech**
- **Use Amazon Polly to convert speech to text for downstream analysis. Then use Amazon Transcribe to convey the text results via speech**

Which of the following are the advantages of Cloud Computing? (Select three)

- **Trade capital expense for variable expense (Correct)**
- **Benefit from massive economies of scale (Correct)**
- **Trade variable expense for capital expense**
- **Go global in minutes and deploy applications in multiple regions around the world with just a few clicks (Correct)**
- **Allocate a few months of planning for your infrastructure capacity needs**
- **Spend money on building and maintaining data centers**

A cyber forensics team has detected that AWS owned IP-addresses are being used to carry out malicious attacks. As this constitutes prohibited use of AWS services, which of the following is the correct solution to address this issue?

- **Write an email to Jeff Bezos, the CEO of Amazon, with the details of the incident**
- **Contact AWS Support**
- **Contact AWS Developer Forum moderators**
- **Contact AWS Abuse Team (Correct)**

Which of the following is an AWS database service?

- **Redshift (Correct)**
- **Database Migration Service**
- **Storage Gateway**
- **Glue**

Which of the following is a recommended way to provide programmatic access to AWS resources?

- **Use Access Key ID and Secret Access Key to access AWS resources programmatically (Correct)**
- **Use IAM groups to access AWS resources programmatically**
- **Use Multi Factor Authentication to access AWS resources programmatically**
- **Create a new IAM user and share the username and password**

A multi-national corporation wants to get expert professional advice on migrating to AWS and managing their applications on AWS Cloud. Which of the following entities would you recommend for this engagement?

- **APN Technology Partner**
- **AWS Trusted Advisor**
- **APN Consulting Partner (Correct)**



- **Concierge Support Team**

Which AWS Support plan provides architectural guidance contextual to your specific use-cases?

- **Developer**
- **Basic**
- **Business (Correct)**
- **Enterprise**

Which of the following AWS services support reservations to optimize costs? (Select three)

- **DocumentDB**
- **DynamoDB (Correct)**
- **EC2 Instances (Correct)**
- **RDS (Correct)**
- **S3**
- **Lambda**

Under the AWS Shared Responsibility Model, which of the following is a shared responsibility of both AWS and the customer?

- **Infrastructure maintenance of Amazon S3 storage servers**
- **Configuration Management (Correct)**
- **Availability Zone infrastructure maintenance**
- **Guarantee data separation among various AWS customers**

A company uses reserved EC2 instances across multiple units with each unit having its own AWS account. However, some of the units under-utilize their reserved instances while other units need more reserved instances. As a Cloud Practitioner, which of the following would you recommend as the most cost-optimal solution?

- **Use AWS Trusted Advisor to manage AWS accounts of all units and then share the reserved EC2 instances amongst all units**
- **Use AWS Systems Manager to manage AWS accounts of all units and then share the reserved EC2 instances amongst all units**
- **Use AWS Cost Explorer to manage AWS accounts of all units and then share the reserved EC2 instances amongst all units**
- **Use AWS Organizations to manage AWS accounts of all units and then share the reserved EC2 instances amongst all units (Correct)**

A company wants to identify the optimal AWS resource configuration for its workloads so that the company can reduce costs and increase workload performance. Which of the following services can be used to meet this requirement?

- **AWS Budgets**
- **AWS Compute Optimizer (Correct)**
- **AWS Cost Explorer**
- **AWS Systems Manager**

Which of the following entities applies patches to the underlying OS for AWS Aurora?

- **The AWS customer by using AWS Systems Manager**
- **The AWS Support after receiving a request from the customer**

- The AWS Product Team automatically **(Correct)**
- The AWS customer by SSHing on the instances

The DevOps team at an e-commerce company is trying to debug performance issues for its serverless application built using a microservices architecture. As a Cloud Practitioner, which AWS service would you recommend addressing this use-case?

- Amazon Pinpoint
- AWS X-Ray **(Correct)**
- AWS CloudFormation
- AWS Trusted Advisor

A startup wants to migrate its data and applications from the on-premises data center to AWS Cloud. Which of the following options can be used by the startup to help with this migration? (Select two)

- Use AWS Trusted Advisor to automate the infrastructure migration
- Utilize AWS Partner Network (APN) to build a custom solution for this infrastructure migration **(Correct)**
- Consult moderators on AWS Developer Forums
- Raise a support ticket with AWS Support for further assistance
- Leverage AWS Professional Services to accelerate the infrastructure migration **(Correct)**

Which of the following AWS services support VPC Endpoint Gateway for a private connection from a VPC? (Select two)

- Amazon EC2
- S3 **(Correct)**
- DynamoDB **(Correct)**
- Amazon SNS
- Amazon SQS

Which of the following statements are CORRECT regarding the Availability Zone (AZ) specific characteristics of EBS and EFS storage types?

- EBS volume can be attached to a single instance in the same Availability Zone and EFS file system can only be mounted on instances in the same Availability Zone
- EBS volume can be attached to one or more instances in multiple Availability Zones and EFS file system can be mounted on instances across multiple Availability Zones
- EBS volume can be attached to a single instance in the same Availability Zone whereas EFS file system can be mounted on instances across multiple Availability Zones **(Correct)**
- EBS volume can be attached to one or more instances in multiple Availability Zones and EFS file system can be mounted on instances in the same Availability Zone

A company is using a message broker service on its on-premises application and wants to move this messaging functionality to AWS Cloud. Which of the following AWS services is the right choice to move the existing functionality easily?

- **Amazon Kinesis Data Stream**
- **Amazon Simple Notification Service (SNS)**
- **Amazon MQ (Correct)**
- **Amazon Simple Queue Service (SQS)**

Which of the following use-cases is NOT supported by Amazon Rekognition?

- **Identify person in a photo**
- **Detect text in a photo**
- **Label objects in a photo**
- **Quickly resize photos to create thumbnails (Correct)**

A multi-national company wants to migrate its IT infrastructure to AWS Cloud and is looking for a concierge support team as well as a response time of around an hour in case the systems go down. As a Cloud Practitioner, which of the following support plans would you recommend to the company?

- **Business**
- **Developer**
- **Individual**
- **Enterprise (Correct)**

Which of the following AWS services is essential for implementing security of resources in AWS Cloud?

- **AWS Identity and Access Management (IAM) (Correct)**
- **AWS WAF**
- **Amazon CloudWatch**
- **AWS Shield**

Which of the following AWS services are part of the AWS Foundation services for the Reliability pillar of the Well-Architected Framework in AWS Cloud? (Select two)

- **Amazon CloudWatch**
- **AWS CloudTrail**
- **AWS Trusted Advisor (Correct)**
- **AWS Service Quotas (Correct)**
- **AWS CloudFormation**

Which policy describes prohibited uses of the web services offered by Amazon Web Services?

- **AWS Acceptable Use Policy (Correct)**
- **AWS Applicable Use Policy**
- **AWS Trusted Advisor**
- **AWS Fair Use Policy**

A company's flagship application runs on a fleet of Amazon EC2 instances. As per the new policies, the system administrators are looking for the best way to provide secure shell access to AWS EC2 instances without opening new ports or using public IP addresses.

Which tool/service will help you achieve this requirement?

- Amazon Inspector
- Amazon Route 53
- AWS Systems Manager Session Manager (Correct)
- Amazon EC2 Instance Connect

Multi AZ (Availability Zone) deployment is an example of which of the following?

- Vertical Scaling
- High Availability (Correct)
- Horizontal Scaling
- Performance Efficiency

Which AWS service can be used to provision resources to run big data workloads on Hadoop clusters?

- AWS Step Function
- Amazon EC2
- Amazon EMR (Correct)
- AWS Batch

A gaming company is looking at a technology/service that can deliver a consistent low-latency gameplay to ensure a great user experience for end-users in various locations.

Which AWS technology/service will provide the necessary low-latency access to the end-users?

- AWS Direct Connect
- AWS Wavelength
- AWS Edge Locations
- AWS Local Zones (Correct)

What is the primary benefit of deploying an RDS database in a Multi-AZ configuration?

- Multi-AZ protects the database from a regional failure
- Multi-AZ improves database performance for read-heavy workloads
- Multi-AZ enhances database availability (Correct)
- Multi-AZ reduces database usage costs

Which AWS service helps with global application availability and performance using the AWS global network?

- Amazon Route 53
- Elastic Load Balancer
- Global Accelerator (Correct)
- Amazon CloudFront

Access Key ID and Secret Access Key are tied to which of the following AWS Identity and Access Management entities?

- AWS Policy
- IAM Group
- IAM User (Correct)
- IAM Role

A photo sharing web application wants to store thumbnails of user-uploaded images on Amazon S3. The thumbnails are rarely used but need to be immediately accessible from the web application. The

thumbnails can be regenerated easily if they are lost. Which is the most cost-effective way to store these thumbnails on S3?

- Use S3 Standard to store the thumbnails
- Use S3 Glacier to store the thumbnails
- Use S3 One-Zone Infrequent Access (One-Zone IA) to store the thumbnails (Correct)
- Use S3 Standard Infrequent Access (Standard-IA) to store the thumbnails

According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer for Amazon RDS?

- Managing the underlying server hardware on which RDS runs
- Applying patches to the underlying OS
- Database encryption (Correct)
- Applying patches to the RDS database

What are the fundamental drivers of cost with AWS Cloud?

- Compute, Databases and Inbound Data Transfer
- Compute, Storage and Inbound Data Transfer
- Compute, Storage and Outbound Data Transfer (Correct)
- Compute, Databases and Outbound Data Transfer

Which of the following AWS services allows a database to have flexible schema and supports document data models?

- Amazon Redshift
- Amazon RDS for PostgreSQL
- Amazon Aurora
- Amazon DynamoDB (Correct)

Which AWS service should be used when you want to run container applications, but want to avoid the operational overhead of scaling, patching, securing, and managing servers?

- Amazon Elastic Container Service - Fargate launch type (Correct)
- Amazon Elastic Container Service - EC2 launch type
- AWS Lambda
- Amazon Elastic Compute Cloud (Amazon EC2)

Which of the following AWS services comes under the Software as a Service (SaaS) Cloud Computing Type?

- Elastic Load Balancing
- Amazon EC2
- AWS Elastic Beanstalk
- Amazon Rekognition (Correct)

Which of the following statement is correct for a Security Group and a Network Access Control List?

- Security Group acts as a firewall at the subnet level whereas Network Access Control List acts as a firewall at the instance level
- Security Group acts as a firewall at the instance level whereas Network Access Control List acts as a firewall at the subnet level (Correct)
- Security Group acts as a firewall at the VPC level whereas Network Access Control List acts as a firewall at the AZ level

- **Security Group acts as a firewall at the AZ level whereas Network Access Control List acts as a firewall at the VPC level**

Which of the following is the correct statement regarding the AWS Storage services?

- **S3 is object based storage, EBS is block based storage and EFS is file based storage (Correct)**
- S3 is file based storage, EBS is block based storage and EFS is object based storage
- S3 is block based storage, EBS is object based storage and EFS is file based storage
- S3 is object based storage, EBS is file based storage and EFS is block based storage

Which AWS compute service provides the EASIEST way to access resizable compute capacity in the cloud with support for per-second billing and access to the underlying OS?

- **Amazon Elastic Container Service (ECS)**
- **Amazon Elastic Compute Cloud (EC2) (Correct)**
- AWS Lambda
- Amazon Lightsail

Which of the following is correct about AWS "Developer" Support plan?

- **Allows unlimited contacts to open a limited number of cases per month**
- **Allows one contact to open a limited number of cases per month**
- **Allows one contact to open unlimited cases (Correct)**
- **Allows unlimited contacts to open unlimited cases**

As per the AWS shared responsibility model, which of the following is a responsibility of AWS from a security and compliance point of view?

- **Customer Data**
- **Server-side Encryption**
- **Edge Location Management (Correct)**
- **Identity and Access Management**

Which AWS service enables users to find, buy, and immediately start using software solutions in their AWS environment?

- **AWS OpsWorks**
- **AWS Systems Manager**
- **AWS Marketplace (Correct)**
- **AWS Config**

A retail company has multiple AWS accounts for each of its departments. Which of the following AWS services can be used to set up consolidated billing and a single payment method for these AWS accounts?

- **AWS Budgets**
- **AWS Organizations (Correct)**
- **AWS Cost Explorer**
- **AWS Secrets Manager**

A customer has created a VPC and a subnet within AWS Cloud. Which of the following statements is correct?

- **A subnet spans all of the Availability Zones in the Region whereas a VPC spans only one Availability Zone in the Region**

- Both the VPC and the subnet span only one Availability Zone in the Region
- Both the VPC and the subnet span all of the Availability Zones in the Region
- A VPC spans all of the Availability Zones in the Region whereas a subnet spans only one Availability Zone in the Region **(Correct)**

An organization has a complex IT architecture involving a lot of system dependencies and it wants to track the history of changes to each resource. Which AWS service will help the organization track the history of configuration changes for all the resources?

- AWS Service Catalog
- AWS Config **(Correct)**
- AWS CloudTrail
- AWS CloudFormation

The engineering team at an IT company wants to monitor the CPU utilization for its fleet of EC2 instances and send an email to the administrator if the utilization exceeds 80%. As a Cloud Practitioner, which AWS services would you recommend to build this solution? (Select two)

- Lambda
- SQS
- CloudTrail
- SNS **(Correct)**
- CloudWatch **(Correct)**

Which AWS service publishes up-to-the-minute information on the general status and availability of all AWS services in all the Regions of AWS Cloud?

- Amazon CloudWatch
- AWS Personal Health Dashboard
- AWS Service Health Dashboard **(Correct)**
- AWS CloudFormation

A fleet of Amazon EC2 instances spread across different Availability Zones needs to access, edit and share file-based data stored centrally on a system. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

- EC2 Instance Store
- Elastic File System (EFS) **(Correct)**
- Elastic Block Store (EBS) Volume
- Amazon S3

A data analytics company has some data stored on Amazon S3 and wants to do SQL based analysis on this data with minimum effort. As a Cloud Practitioner, which of the following AWS services will you suggest for this use case?

- Amazon Athena **(Correct)**
- Amazon Aurora
- Redshift
- DynamoDB

Which of the following AWS services are global in scope? (Select two)

- AWS Identity and Access Management (IAM) **(Correct)**

- Amazon Elastic Compute Cloud (Amazon EC2)
- Amazon S3
- Amazon CloudFront (Correct)
- Amazon Relational Database Service (Amazon RDS)

A social media company wants to protect its web application from common web exploits such as SQL injection and cross-site scripting. Which of the following AWS services can be used to address this use-case?

- AWS Web Application Firewall (WAF) (Correct)
- Amazon GuardDuty
- Amazon Inspector
- AWS CloudWatch

Which tool will help you review your workloads against current AWS best practices for cost optimization, security, and performance improvement and then obtain advice to architect them better?

- Amazon CloudWatch
- AWS Cost Explorer
- AWS Trusted Advisor (Correct)
- Amazon Inspector

Which of the following statement is correct regarding the AWS pricing policy for data transfer charges into or out of an AWS Region?

- Only outbound data transfer is charged (Correct)
- Both inbound data transfer and outbound data transfer are charged
- Only inbound data transfer is charged
- Neither inbound nor outbound data transfer are charged

A company wants a fully managed, flexible, and scalable file storage system, with low latency access, for its Windows-based applications. Which AWS service is the right choice for the company?

- Amazon Elastic File System (Amazon EFS)
- Amazon FSx for Lustre
- Amazon FSx for Windows File Server (Correct)
- Amazon Elastic Block Storage (Amazon EBS)

Which AWS technology/service helps you to scale your resources to match supply with demand while still keeping your cloud solution cost-effective?

- AWS CloudFormation
- AWS Cost Explorer
- AWS OpsWorks
- AWS Auto Scaling (Correct)

Which AWS service would you use to send alerts when the costs for your AWS account exceed your budgeted amount?

- AWS Organizations
- AWS Budgets (Correct)
- AWS Cost Explorer
- AWS Pricing Calculator



Which characteristic of Cloud Computing imparts the ability to acquire resources as you need and release when you no longer need them?

- **Elasticity (Correct)**
- **Reliability**
- **Durability**
- **Resiliency**

Which of the following statements are true about AWS Lambda? (Select two)

- **You pay for the compute time you consume (Correct)**
- **Allows you to orchestrate and manage Docker containers to facilitate complex containerized applications on AWS**
- **AWS Lambda lets you run code without provisioning or managing servers (Correct)**
- **AWS Lambda provides access to the underlying operating system to control its behavior through code**
- **Allows you to install databases on the underlying serverless Operating System**

An organization deploys its IT infrastructure in a combination of its on-premises data center along with AWS Cloud. How would you categorize this deployment model?

- **Mixed deployment**
- **Hybrid deployment (Correct)**
- **Cloud deployment**
- **Private deployment**

What are the different gateway types supported by AWS Storage Gateway service?

- **Tape Gateway, File Gateway and Volume Gateway (Correct)**
- **Tape Gateway, Object Gateway and Volume Gateway**
- **Tape Gateway, File Gateway and Block Gateway**
- **Object Gateway, File Gateway and Block Gateway**

The AWS Well-Architected Framework provides guidance on building cloud based applications using AWS best practices. Which of the following options are the pillars mentioned in the AWS Well-Architected Framework? (Select two)

- **Cost Optimization (Correct)**
- **Elasticity**
- **Reliability (Correct)**
- **Scalability**
- **Availability**

An e-commerce company wants to assess its applications deployed on EC2 instances for vulnerabilities and deviations from AWS best practices. Which AWS service can be used to facilitate this?

- **AWS Secrets Manager**
- **AWS Trusted Advisor**
- **Amazon Inspector (Correct)**
- **AWS CloudHSM**

Which of the following are examples of Horizontal Scalability (aka Elasticity)? (Select two)

- **Add a bigger CPU to a computer**

- **Modify a Database instance to higher CPU and RAM**
- **Read Replicas in Amazon RDS (Correct)**
- **Modify an EC2 instance type from t2.nano to u-12tb1.metal**
- **Elastic Load Balancing (Correct)**

A startup is looking for 24x7 phone based technical support for his AWS account. Which of the following is the MOST cost-effective AWS support plan for this use-case?

- **Basic**
- **Enterprise**
- **Developer**
- **Business (Correct)**

An online gaming company wants to block users from certain geographies from accessing its content. Which AWS services can be used to accomplish this task? (Select two)

- **AWS Shield**
- **AWS Protect**
- **AWS WAF (Correct)**
- **Route 53 (Correct)**
- **CloudWatch**

An organization is planning to move its infrastructure from the on-premises datacenter to AWS Cloud. As a Cloud Practitioner, which options would you recommend so that the organization can identify the right AWS services to build solutions on AWS Cloud (Select two)?

- **AWS Partner Network (Correct)**
- **AWS Organizations**
- **AWS Service Catalog (Correct)**
- **AWS CloudTrail**
- **Amazon CloudWatch**

Which of the following statements is INCORRECT about AWS Auto Scaling?

- **You can automatically remove unhealthy instances**
- **You can automatically deploy AWS Shield when a DDoS attack is detected (Correct)**
- **You can scale out and add more EC2 instances to match an increase in demand as well as scale in and remove EC2 instances to match a reduced demand**
- **You can automatically register new instances to a Load Balancer**

Due to regulatory and compliance reasons, an organization is supposed to use a hardware device for any data encryption operations in the cloud. Which AWS service can be used to meet this compliance requirement?

- **AWS CloudHSM (Correct)**
- **AWS Secrets Manager**
- **AWS Trusted Advisor**
- **AWS Key Management Service (KMS)**

Which of the following solutions can you use to connect your on-premises network with AWS Cloud (Select two).

- **Amazon VPC**

- Internet Gateway
- Amazon Route 53
- AWS VPN (Correct)
- AWS Direct Connect (Correct)

A developer has written a simple web application in PHP and he wants to just upload his code to AWS Cloud and have AWS handle the deployment automatically but still wants access to the underlying operating system for further enhancements. As a Cloud Practitioner, which of the following AWS services would you recommend for this use-case?

- AWS CloudFormation
- Amazon EC2
- AWS Elastic Container Service (ECS)
- AWS Elastic Beanstalk (Correct)

Which of the following options can be used to access and manage all AWS services (Select three)?

- AWS Command Line Interface (CLI) (Correct)
- AWS Management Console (Correct)
- AWS Software Developer Kit (SDK) (Correct)
- AWS Secrets Manager
- Amazon API Gateway
- AWS Systems Manager

Which AWS EC2 pricing model is the most cost-effective and flexible with no requirement for a long term resource commitment or upfront payment but still guarantees that instance would not be interrupted?

- Spot Instances
- On-demand Instances (Correct)
- Dedicated Hosts
- Reserved Instances

Which of the following AWS services can be used to prevent Distributed Denial-of-Service (DDoS) attack? (Select three)

- Amazon Inspector
- AWS CloudHSM
- AWS WAF (Correct)
- AWS Shield (Correct)
- Amazon CloudFront with Route 53 (Correct)
- AWS Trusted Advisor

Which AWS support plan provides access to a Technical Account Manager (TAM)?

- Business & Enterprise
- Enterprise (Correct)
- Business
- Developer

Which AWS Route 53 routing policy would you use to improve the performance for your customers by routing the requests to the AWS endpoint that provides the fastest experience?

- Simple routing policy

- Latency routing policy **(Correct)**
- Weighted routing policy
- Failover routing policy

Which of the following AWS services are always free to use (Select two)?

- DynamoDB
- Elastic Compute Cloud (Amazon EC2)
- Simple Storage Service (Amazon S3)
- Identity and Access Management (IAM) **(Correct)**
- AWS Auto Scaling **(Correct)**

Which of the following statements are correct about the AWS account root user (Select two)

- Root user access credentials are the email address and password used to create the AWS account **(Correct)**
- Root account gets unrestricted permissions when the account is created, but these can be restricted using IAM policies
- Root user account password cannot be changed once it is set
- It is highly recommended to enable Multi Factor Authentication (MFA) for root user account **(Correct)**
- Root user credentials should only be shared with managers requiring administrative responsibilities to complete their jobs

As per the AWS shared responsibility model, which of the following is a responsibility of the customer from a security and compliance point of view?

- Patching/fixing flaws within the AWS infrastructure
- Configuration management for AWS global infrastructure
- Managing patches of the guest operating system on Amazon EC2 **(Correct)**
- Availability Zone infrastructure management

Which AWS service can be used to store, manage, and deploy Docker container images?

- Amazon Elastic Container Registry (ECR) **(Correct)**
- Amazon Elastic Container Service (ECS)
- Amazon EC2
- Amazon Lambda

An IT company wants to run a log backup process every Monday at 2 AM. The usual runtime of the process is 5 minutes. As a Cloud Practitioner, which AWS services would you recommend to build a serverless solution for this use-case? (Select two)

- Systems Manager
- EC2 Instance
- CloudWatch **(Correct)**
- Step Function
- Lambda **(Correct)**

Which service gives a personalized view of the status of the AWS services that are part of your Cloud architecture so that you can quickly assess the impact on your business when AWS service(s) are experiencing issues?

- AWS Service Health Dashboard
- AWS Inspector
- AWS Personal Health Dashboard (Correct)
- Amazon CloudWatch

AWS Compute Optimizer delivers recommendations for which of the following AWS resources? (Select two)

- Amazon EC2 instances, Amazon EC2 Auto Scaling groups (Correct)
- Amazon EC2 instances, Amazon Elastic File System (Amazon EFS)
- Amazon Elastic File System (Amazon EFS), AWS Lambda functions
- AWS Lambda functions, Amazon Simple Storage Service (Amazon S3)
- Amazon EBS volumes, AWS Lambda functions (Correct)

An IT company is on a cost-optimization spree and wants to identify all EC2 instances that are under-utilized. Which AWS services can be used off-the-shelf to address this use-case without needing any manual configurations? (Select two)

- **AWS Budgets**
- **AWS Cost Explorer (Correct)**
- **AWS Cost and Usage Reports**
- **AWS Trusted Advisor (Correct)**
- **Amazon CloudWatch**

Which AWS service can be used for online analytical processing?

- **Amazon DynamoDB**
- **Amazon ElastiCache**
- **Amazon RDS**
- **Amazon Redshift(Correct)**

Which AWS services support High Availability by default? (Select two)

- **Instance Store**
- **EFS(Correct)**
- **Redshift**
- **DynamoDB(Correct)**
- **EBS**

Under the AWS Shared Responsibility Model, which of the following is the responsibility of a customer regarding lambda functions?

- **Patch underlying OS for the lambda function infrastructure**
- **Maintain all runtime environments for lambda functions**
- **Maintain versions of a lambda function(Correct)**
- **Configure networking infrastructure for the lambda functions**

A research lab wants to optimize the caching capabilities for its scientific computations application running on EC2 instances. Which EC2 storage option is best suited for this use-case?

- **Amazon EFS**
- **Amazon EBS**
- **Amazon S3**
- **Amazon EC2 Instance Store(Correct)**

AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations for which of the following categories? (Select two)?

- **Change Management**
- **Documentation**
- **Elasticity**
- **Service Limits(Correct)**
- **Cost Optimization(Correct)**

An IT company would like to move its IT resources (including any data and applications) from an AWS Region in the US to another AWS Region in Europe. Which of the following represents the correct solution for this use-case?

- The company should just start creating new resources in the destination AWS Region and then migrate the relevant data and applications into this new AWS Region(**Correct**)
- The company should use CloudFormation to move the resources (including any data and applications) from source AWS Region to destination AWS Region
- The company should use Database Migration Service to move the resources (including any data and applications) from source AWS Region to destination AWS Region
- The company should raise a ticket with AWS Support for this resource migration

Which pillar of the AWS Well-Architected Framework recommends maintaining infrastructure as code?

- Cost Optimization
- Operational Excellence(**Correct**)
- Performance Efficiency
- Security

Which AWS Support plan provides general architectural guidance on how services can be used for various use-cases, workloads, or applications?

- Business
- Enterprise
- Basic
- Developer(**Correct**)

Which of the following capabilities does Amazon Rekognition provide as a ready-to-use feature?

- Resize images quickly
- Identify objects in a photo(**Correct**)
- Human pose detection
- Convert images into greyscale

According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer (select 2)?

- AWS Global Network Security
- Compliance validation of Cloud infrastructure
- Ensuring AWS employees cannot access customer data
- Operating system patches and updates of an EC2 instance(**Correct**)
- Enabling data encryption of data stored in S3 buckets(**Correct**)

Which AWS service can be used as an in-memory database with high-performance and low latency?

- Amazon Athena
- Amazon DynamoDB
- Amazon RDS
- Amazon ElastiCache(**Correct**)

As a Cloud Practitioner, which S3 storage class would you recommend for data archival?

- S3 Standard
- S3 One Zone-IA
- S3 Intelligent-Tiering
- S3 Glacier(**Correct**)

Which of the following AWS services specialize in data migration from on-premises to AWS Cloud? (Select two)

- Site-to-Site VPN
- Snowball(Correct)
- Transit Gateway
- Database Migration Service(Correct)
- Direct Connect

Compared to the On-demand prices, what is the highest possible discount offered for reserved instances?

- 90
- 72(Correct)
- 40
- 50

Which of the following improves the availability for a fleet of EC2 instances?

- Deploy the EC2 instances in the same Availability Zone of an AWS Region
- Deploy the EC2 instances across different AWS Regions of the same Availability Zone
- Deploy the EC2 instances across different Availability Zones in the same AWS Region(Correct)
- Deploy the EC2 instances in the same Availability Zone across two different AWS Regions

Which of the following AWS services are regional in scope? (Select two)

- AWS WAF
- AWS Identity and Access Management (IAM)
- Amazon Rekognition(Correct)
- Amazon CloudFront
- AWS Lambda(Correct)

Amazon CloudWatch billing metric data is stored in which AWS Region?

- In the AWS Region where the AWS resource is provisioned
- US East (N. Virginia) - us-east-1(Correct)
- US West (N. California) - us-west-1
- In the AWS Region where the AWS account is created

Which of the following are components of an AWS Site-to-Site VPN? (Select two)

- Storage Gateway
- NAT Gateway
- Customer Gateway(Correct)
- Virtual Private Gateway(Correct)
- Internet Gateway

A medical device company is looking for a durable and cost-effective way of storing their historic data. Due to compliance requirements, the data must be stored for 10 years. Which AWS Storage solution will you suggest?

- S3 Glacier
- Amazon EFS
- S3 Glacier Deep Archive(Correct)



- **AWS Storage Gateway**

Which of the following AWS entities provides the information required to launch an EC2 instance?

- EFS
- **AMI(Correct)**
- EBS
- Lambda

Which AWS Support plan guarantees a case response time of 15 minutes when Business Critical systems are down?

- Basic
- Developer
- Business
- **Enterprise(Correct)**

An e-commerce company uses AWS Cloud and would like to receive separate invoices for development and production environments. As a Cloud Practitioner, which of the following solutions would you recommend for this use-case?

- Tag all resources in the AWS account as either "development" or "production". Then use the tags to create separate invoices
- Create separate AWS accounts for development and production environments to receive separate invoices(Correct)
- Use AWS Organizations to create separate invoices for development and production environments
- Use AWS Cost Explorer to create separate invoices for development and production environments

Which of the following is correct regarding the AWS Shield Advanced pricing?

- AWS Shield Advanced is a free service for AWS Business Support plan
- AWS Shield Advanced offers protection against higher fees that could result from a DDoS attack(Correct)
- AWS Shield Advanced is a free service for all AWS Support plans
- AWS Shield Advanced is a free service for AWS Enterprise Support plan

Which of the following is a part of the AWS Global Infrastructure?

- **Region(Correct)**
- Virtual Private Cloud (VPC)
- Virtual Private Network (VPN)
- Subnets

A cyber-security agency uses AWS Cloud and wants to carry out security assessments on their own AWS infrastructure without any prior approval from AWS. Which of the following describes/facilitates this practice?

- AWS Secrets Manager
- Amazon Inspector
- **Penetration Testing(Correct)**
- Network Stress Testing

An IT company has a hybrid cloud architecture and it wants to centralize the server logs for its EC2 instances and on-premises servers. Which of the following is the MOST effective for this use-case?

- Use AWS Lambda to send log data from EC2 instance as well as on-premises servers to CloudWatch Logs
- Use CloudTrail for the EC2 instance and CloudWatch Logs for the on-premises servers
- Use CloudWatch Logs for both the EC2 instance and the on-premises servers(Correct)
- Use CloudWatch Logs for the EC2 instance and CloudTrail for the on-premises servers

AWS Identity and Access Management (IAM) policies are written as JSON documents. Which of the following are mandatory elements of an IAM policy?

- Effect, Action(Correct)
- Effect, Sid
- Sid, Principal
- Action, Condition

Gmail is an example of which of the following Cloud Computing Models?

- Function as a Service (FaaS)
- Platform as a Service (PaaS)
- Infrastructure as a Service (IaaS)
- Software as a Service (SaaS)(Correct)

A financial services enterprise plans to enable Multi-Factor Authentication (MFA) for its employees. For ease of travel, they prefer not to use any physical devices to implement MFA. Which of the below options is best suited for this use case?

- Soft Token MFA device
- U2F security key
- Hardware MFA device
- Virtual MFA device(Correct)

Which budget types can be created under AWS Budgets (Select three)?

- Usage budget(Correct)
- Hardware budget
- Resource budget
- Reservation budget(Correct)
- Cost budget(Correct)
- Software budget

Which AWS service can be used to automate code deployment to EC2 instances as well as on-premises instances?

- AWS CodePipeline
- AWS CodeCommit
- AWS CloudFormation
- AWS CodeDeploy(Correct)

A customer is running a comparative study of pricing models of Amazon EFS and Amazon EBS that are used with the Amazon EC2 instances that host the application. Which of the following statements are correct regarding this use-case? (Select two)

- With AWS Backup, you pay only for the amount of EFS backup storage you use in a month, you need not pay for restoring this data
- Amazon EBS Snapshots are stored incrementally, which means you are billed only for the changed blocks stored(Correct)
- You will pay a fee each time you read from or write data stored on the EFS - Infrequent Access storage class(Correct)
- Amazon EBS Snapshot storage pricing is based on the amount of space your data consumes in EBS
- Amazon EC2 data transfer charges will apply for all EBS direct APIs for Snapshots

A leading research firm needs to access information available in old patents and documents (such as PDFs, Text Files, Word documents, etc) present in its huge knowledge base. The firm is looking for a powerful search tool that can dig into these knowledge resources and return the most relevant files/documents. Which of the following is the correct service to address this requirement?

- Amazon Personalize
- Amazon Lex
- Amazon Kendra(Correct)
- Amazon Comprehend

A startup runs its proprietary application on docker containers. As a Cloud Practitioner, which AWS service would you recommend so that the startup can run containers and still have access to the underlying servers?

- Amazon Elastic Container Registry (ECR)
- AWS Lambda
- AWS Fargate
- Amazon Elastic Container Service (Amazon ECS)(Correct)

A research group wants to provision an EC2 instance for a flexible application that can be interrupted. As a Cloud Practitioner, which of the following would you recommend as the MOST cost-optimal option?

- Dedicated Host
- Spot Instance(Correct)
- On-Demand Instance
- Reserved Instance

An AWS user is trying to launch an EC2 instance in a given region. What is the region-specific constraint that the Amazon Machine Image (AMI) must meet so that it can be used for this EC2 instance?

- You can use an AMI from a different region, but it degrades the performance of the EC2 instance
- You must use an AMI from the same region as that of the EC2 instance. The region of the AMI has no bearing on the performance of the EC2 instance(Correct)
- An AMI is a global entity, so the region is not applicable
- You should use an AMI from the same region, as it improves the performance of the EC2 instance

A financial services company must meet compliance requirements that mandate storing multiple copies of data in geographically distant locations. As the company uses S3 as its main storage service, which of the following represents the MOST resource-efficient solution for this use-case?

- Run a daily job on an EC2 instance to copy objects into another Region
- Use Cross-Region replication (CRR) to replicate data between distant AWS Regions(Correct)
- Use Same-Region replication (SRR) to replicate data between distant AWS Regions

- **For every new object, trigger a lambda function to write data into a bucket in another AWS Region**

Which AWS service can help you create data-driven business cases for transitioning your business from on-premises to AWS Cloud?

- **AWS Migration Evaluator(Correct)**
- **AWS Billing and Cost Management**
- **AWS Trusted Advisor**
- **AWS Budgets**

Which S3 storage class offers the lowest availability?

- **S3 One Zone-IA(Correct)**
- **S3 Glacier**
- **S3 Intelligent-Tiering**
- **S3 Standard**

Which of the following statements are true about Cost Allocation Tags in AWS Billing? (Select two)

- **For each resource, each tag key must be unique, but can have multiple values**
- **Only user-defined tags need to be activated before they can appear in Cost Explorer or on a cost allocation report**
- **For each resource, each tag key must be unique, and each tag key can have only one value(Correct)**
- **Tags helps in organizing resources and are a mandatory configuration item to run reports**
- **You must activate both AWS generated tags and user-defined tags separately before they can appear in Cost Explorer or on a cost allocation report(Correct)**

Which AWS Route 53 routing policy would you use when you want to route your traffic in an active-passive configuration?

- **Failover routing policy(Correct)**
- **Latency routing policy**
- **Simple routing policy**
- **Weighted routing policy**

Which of the following AWS services offer block-level storage? (Select two)

- **EBS(Correct)**
- **Instance Store(Correct)**
- **S3**
- **EFS**
- **ECS**

An organization maintains separate VPCs for each of its departments. With expanding business, the organization now wants to connect all VPCs for better departmental collaboration. Which AWS service will help the organization tackle the issue effectively?

- **Site to Site VPN**
- **AWS Transit Gateway(Correct)**
- **AWS Direct Connect**
- **VPC Peering**

A development team is looking out for a forum where the most frequent questions and requests from AWS customers are listed along with AWS provided solutions.

Which AWS forum/service is the optimal place to start when looking for troubleshooting an issue or checking for a solution?

- **AWS Knowledge Center(Correct)**
- **AWS Support Center**
- **AWS Service Health Dashboard**
- **AWS Marketplace**

Which feature of AWS Cloud offers the ability to innovate faster and rapidly develop, test and launch software applications?

- **Elasticity**
- **Ability to deploy globally in minutes**
- **Cost savings**
- **Agility(Correct)**

Which of the following statements are CORRECT about the AWS Auto Scaling group? (Select two)

- **Auto Scaling group scales out and adds more number of EC2 instances to match an increase in demand(Correct)**
- **Auto Scaling group scales in and reduces the number of EC2 instances to match a decrease in demand(Correct)**
- **Auto Scaling group scales down and downgrades to a less powerful EC2 instance to match a decrease in demand**
- **Auto Scaling group scales up and upgrades to a more powerful EC2 instance to match an increase in demand**
- **Auto Scaling group scales down and reduces the number of EC2 instances to match a decrease in demand**

A multi-national company has its business-critical data stored on a fleet of Amazon EC2 instances, in various countries, configured in region-specific compliance rules. To demonstrate compliance, the company needs to submit historical configurations on a regular basis. Which AWS service is best suited for this requirement?

- **Amazon Macie**
- **AWS CloudTrail**
- **Amazon GuardDuty**
- **AWS Config(Correct)**

Which AWS service will you use to privately connect your VPC to Amazon S3?

- **AWS Direct Connect**
- **Amazon API Gateway**
- **AWS Transit Gateway**
- **VPC Endpoint Gateway(Correct)**

Which of the following are correct statements regarding the AWS Shared Responsibility Model? (Select two)

- **AWS is responsible for Security "of" the Cloud(Correct)**

- Configuration Management is the responsibility of the customer
- AWS is responsible for training AWS and customer employees on AWS products and services
- For a service like Amazon EC2, that falls under Infrastructure as a Service, AWS is responsible for maintaining guest operating system
- For abstracted services like Amazon S3, AWS operates the infrastructure layer, the operating system, and platforms(Correct)

Which AWS service can be used to execute code triggered by new files being uploaded to S3?

- SQS
- Lambda(Correct)
- EC2
- ECS

Which of the following are recommended best practices for AWS IAM service? (Select two)

- Share AWS account root user access keys with other administrators
- Create a minimum number of accounts and share these account credentials among employees
- Enable MFA for all users(Correct)
- Rotate credentials regularly(Correct)
- Grant maximum privileges to avoid assigning privileges again

Which of the following statements is correct regarding the AWS Elastic File System (EFS) storage service?

- EC2 instances can access files on an EFS file system across many Availability Zones but not across VPCs and Regions
- EC2 instances can access files on an EFS file system only in one Availability Zone
- EC2 instances can access files on an EFS file system across many Availability Zones and VPCs but not across Regions
- EC2 instances can access files on an EFS file system across many Availability Zones, Regions and VPCs(Correct)

An AWS hardware failure has impacted one of your EBS volumes. Which AWS service will alert you of the affected resources and provide a remedial action?

- AWS Config
- AWS Trusted Advisor
- AWS Personal Health Dashboard(Correct)
- Amazon GuardDuty

What is the primary benefit of deploying an RDS database in a Read Replica configuration?

- Read Replica protects the database from a regional failure
- Read Replica reduces database usage costs
- Read Replica enhances database availability
- Read Replica improves database scalability(Correct)

An IT company has deployed a static website on S3, but the website is still inaccessible. As a Cloud Practitioner, which of the following solutions would you suggest to address this issue?

- Fix the S3 bucket policy(Correct)
- Enable S3 versioning
- Disable S3 encryption

- **Enable S3 replication**

AWS Lambda pricing is based on which of the following criteria? (Select two)

- **The time it takes for the lambda function to execute(Correct)**
- **The language runtime of the lambda function**
- **The number of lines of code for the lambda function**
- **The size of the deployment package for the lambda function**
- **Number of requests for the lambda function(Correct)**

A company has a static website hosted on an S3 bucket in an AWS Region in Asia. Although most of its users are in Asia, now it wants to drive growth globally. How can it improve the global performance of its static website?

- **Use CloudWatch to improve the performance of your website**
- **Use S3 Transfer Acceleration to improve the performance of your website**
- **Use CloudFront to improve the performance of your website(Correct)**
- **Use WAF to improve the performance of your website**

Which of the following is the best way to protect your data from accidental deletion on Amazon S3?

- **S3 lifecycle configuration**
- **S3 Versioning(Correct)**
- **S3 Transfer Acceleration**
- **S3 Storage Classes**

Which AWS service protects your AWS account by monitoring malicious activity and detecting threats?

- **Trusted Advisor**
- **CloudWatch**
- **CloudTrail**
- **GuardDuty(Correct)**

Which of the following statements are CORRECT regarding Security Groups and Network Access Control Lists (NACLs)? (Select two)

- **A Security Group contains a numbered list of rules and evaluates these rules in the increasing order while deciding whether to allow the traffic**
- **A Security Group is stateless, that is, the return traffic must be explicitly allowed**
- **A Security Group is stateful, that is, it automatically allows the return traffic(Correct)**
- **A NACL contains a numbered list of rules and evaluates these rules in the increasing order while deciding whether to allow the traffic(Correct)**
- **A NACL is stateful, that is, it automatically allows the return traffic**

Data encryption is automatically enabled for which of the following AWS services? (Select two)?

- **Amazon S3 Glacier(Correct)**
- **Amazon Redshift**
- **AWS Storage Gateway(Correct)**
- **Amazon EFS drives**
- **Amazon EBS volumes**

A startup wants to set up its IT infrastructure on AWS Cloud. The CTO would like to receive detailed reports that break down the startup's AWS costs by the hour in an S3 bucket. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

- **AWS Cost and Usage Reports(Correct)**
- **AWS Pricing Calculator**
- **AWS Budgets**
- **AWS Cost Explorer**

Which AWS service will you use if you have to move large volumes of on-premises data to AWS Cloud from a remote location with limited bandwidth?

- **AWS Direct Connect**
- **AWS Virtual Private Network (VPN)**
- **AWS Snowball(Correct)**
- **AWS Transit Gateway**

Which of the following use cases is best suited for Amazon Elastic File System (EFS) Standard–Infrequent Access (Standard–IA) storage class?

- **Storing data in a single AWS Availability Zone**
- **Object storage for workloads that need sub-second latency speeds for accessing the data**
- **Use as boot volume for highly available Amazon EC2 instances**
- **Storing files in an accessible location to satisfy audit requirements(Correct)**



Which of the following S3 storage classes do not charge any data retrieval fee? (Select two)

- S3 One Zone-IA
- S3 Standard(Correct)
- S3 Glacier
- S3 Standard-IA
- S3 Intelligent-Tiering(Correct)

Which of the following entities should be used for an Amazon EC2 Instance to access a DynamoDB table?

- Amazon Cognito
- AWS IAM user access keys
- AWS Key Management Service
- IAM role(Correct)

A multi-national organization has separate VPCs for each of its business units on the AWS Cloud. The organization also wants to connect its on-premises data center with all VPCs for better organization-wide collaboration. Which AWS services can be combined to build the MOST efficient solution for this use-case? (Select two)

- AWS Transit Gateway(Correct)
- AWS Direct Connect(Correct)
- AWS Storage Gateway
- AWS Internet Gateway
- VPC Peering

Amazon EC2 Spot instances are a best-fit for which of the following scenarios?

- To install cost-effective RDS database
- To run scheduled jobs (jobs that run at the same time every day)
- To run any containerized workload with Elastic Container Service (ECS) that can be interrupted(Correct)
- To run batch processes for critical workloads

Which of the following AWS entities lists all users in your account and the status of their various account aspects such as passwords, access keys, and MFA devices?

- AWS Trusted Advisor
- Amazon Inspector
- Credential Reports(Correct)
- AWS Cost and Usage Reports

Which of the following are benefits of the AWS Web Application Firewall (WAF)? (Select two)

- WAF offers dedicated support from the DDoS Response Team (DRT) and advanced reporting
- WAF can check for the presence of SQL code that is likely to be malicious (known as SQL injection)(Correct)
- WAF can block all requests except the ones that you allow(Correct)
- AWS WAF lets you monitor the HTTP and HTTPS requests that are forwarded to Amazon Route 53

- **WAF offers protection against all known infrastructure (Layer 3 and 4) attacks**

Which AWS entity enables you to privately connect your VPC to an Amazon SQS queue?

- **Internet Gateway**
- **AWS Direct Connect**
- **VPC Gateway Endpoint**
- **VPC Interface Endpoint(Correct)**

Which of the following S3 storage classes has NO constraint of a minimum storage duration charge for objects?

- **S3 Standard(Correct)**
- **S3 Standard-IA**
- **S3 One Zone-IA**
- **S3 Glacier**

A streaming media company wants to convert English language subtitles into Spanish language subtitles. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

- **Amazon Translate(Correct)**
- **Amazon Transcribe**
- **Amazon Polly**
- **Amazon Rekognition**

A financial services company wants to ensure that all customer data uploaded on its data lake on Amazon S3 always stays private. Which of the following is the MOST efficient solution to address this compliance requirement?

- **Use Amazon S3 Block Public Access to ensure that all S3 resources stay private(Correct)**
- **Trigger a lambda function every time an object is uploaded on S3. The lambda function should change the object settings to make sure it stays private**
- **Set up a high-level advisory committee to review the privacy settings of each object uploaded into S3**
- **Use CloudWatch to ensure that all S3 resources stay private**

Which of the following AWS services offer LifeCycle Management for cost-optimal storage?

- **Amazon Instance Store**
- **Amazon EBS**
- **Amazon S3(Correct)**
- **AWS Storage Gateway**

Which of the following AWS services can be used to forecast your AWS account usage and costs?

- **AWS Pricing Calculator**
- **AWS Budgets**
- **AWS Cost Explorer(Correct)**
- **AWS Cost and Usage Reports**

Which of the following is correct regarding the AWS RDS service?

- **You can use both Read Replicas and Multi-AZ for improved read performance**

- You can use Read Replicas for improved read performance and Multi-AZ for Disaster Recovery
- You can use Read Replicas for both improved read performance as well as Disaster Recovery(Correct)
- You can use Read Replicas for Disaster Recovery and Multi-AZ for improved read performance

A media company uploads its media (audio and video) files to a centralized S3 bucket from geographically dispersed locations. Which of the following solutions can the company use to optimize transfer speeds?

- S3 Transfer Acceleration(Correct)
- AWS Direct Connect
- Amazon CloudFront
- AWS Global Accelerator

An e-commerce company would like to receive alerts when the Reserved EC2 Instances utilization drops below a certain threshold. Which AWS service can be used to address this use-case?

- AWS Budgets(Correct)
- AWS Systems Manager
- AWS Cost Explorer
- AWS Trusted Advisor

The DevOps team at a Big Data consultancy has set up EC2 instances across two AWS Regions for its flagship application. Which of the following characterizes this application architecture?

- Deploying the application across two AWS Regions improves agility
- Deploying the application across two AWS Regions improves availability(Correct)
- Deploying the application across two AWS Regions improves scalability
- Deploying the application across two AWS Regions improves security

Which of the following AWS Support plans provide programmatic access to AWS Support Center features to create, manage and close your support cases? (Select two)

- Developer
- Business(Correct)
- Enterprise(Correct)
- Corporate
- Basic

The QA team at a company wants a tool/service that can provide access to different mobile devices with variations in firmware and Operating System versions.

Which AWS service can address this use case?

- AWS Mobile Farm
- AWS CodePipeline
- AWS Device Farm(Correct)
- AWS Elastic Beanstalk

Which of the following is a container service of AWS?

- AWS Fargate(Correct)

- **Amazon Simple Notification Service**
- **Amazon SageMaker**
- **AWS Elastic Beanstalk**

Which AWS service will you use to provision the same AWS infrastructure across multiple AWS accounts and regions?

- **AWS Systems Manager**
- **AWS CodeDeploy**
- **AWS OpsWorks**
- **AWS CloudFormation(Correct)**

A financial services company wants to migrate from its on-premises data center to AWS Cloud. As a Cloud Practitioner, which AWS service would you recommend so that the company can compare the cost of running their IT infrastructure on-premises vs AWS Cloud?

- **AWS Pricing Calculator(Correct)**
- **AWS Budgets**
- **AWS Cost Explorer**
- **AWS Trusted Advisor**

A social media company wants to have the MOST cost-optimal strategy for deploying EC2 instances. As a Cloud Practitioner, which of the following options would you recommend? (Select two)

- **Use Spot Instances for ad-hoc jobs that can be interrupted(Correct)**
- **Use On-Demand Instances for ad-hoc jobs that can be interrupted**
- **Use Reserved Instances to run applications with a predictable usage over the next one year(Correct)**
- **Use Reserved Instances for ad-hoc jobs that can be interrupted**
- **Use On-Demand Instances to run applications with a predictable usage over the next one year**

Which benefit of Cloud Computing allows AWS to offer lower pay-as-you-go prices as usage from hundreds of thousands of customers is aggregated in the cloud?

- **Increased speed and agility**
- **Massive economies of scale(Correct)**
- **Trade capital expense for variable expense**
- **Go global in minutes**

Which AWS service would you choose for a data processing project that needs a schemaless database?

- **Amazon RDS**
- **Amazon RedShift**
- **Amazon DynamoDB(Correct)**
- **Amazon Aurora**

Which AWS Route 53 routing policy would you use to route traffic to a single resource such as a web server for your website?

- **Weighted routing policy**
- **Latency routing policy**

- Failover routing policy
- Simple routing policy(Correct)

Reserved Instance pricing is available for which of the following AWS services? (Select two)

- Amazon Simple Storage Service (Amazon S3)
- Amazon Elastic Compute Cloud (Amazon EC2)(Correct)
- Amazon CloudFront
- AWS Identity & Access Management (IAM)
- Amazon Relational Database Service (Amazon RDS)(Correct)

Which of the following AWS authentication mechanisms supports a Multi-Factor Authentication (MFA) device that you can plug into a USB port on your computer?

- SMS text message-based MFA
- U2F security key(Correct)
- Virtual MFA device
- Hardware MFA device

AWS Organizations provides which of the following benefits? (Select two)

- Volume discounts for Amazon EC2 and Amazon S3 aggregated across the member AWS accounts(Correct)
- Share the reserved EC2 instances amongst the member AWS accounts(Correct)
- Provision EC2 Spot instances across the member AWS accounts
- Deploy patches on EC2 instances across the member AWS accounts
- Check vulnerabilities on EC2 instances across the member AWS accounts

Which AWS service can be used to host a static website with the LEAST effort?

- AWS Storage Gateway
- Amazon Simple Storage Service (Amazon S3)(Correct)
- Amazon Elastic File System (Amazon EFS)
- Amazon S3 Glacier

Which of the following can you use to run a bootstrap script while launching an EC2 instance?

- EC2 instance AMI data
- EC2 instance metadata
- EC2 instance configuration data
- EC2 instance user data(Correct)

The DevOps team at an IT company wants to centrally manage its servers on AWS Cloud as well as on-premise data center so that it can collect software inventory, run commands, configure and patch servers at scale. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

- Config
- OpsWorks
- CloudFormation
- Systems Manager(Correct)

Which of the following are recommended security best practices for the AWS account root user? (Select two)

- **Disable MFA for the AWS account root user as it can lock the entire AWS account if the MFA device is lost**
- **Set up an IAM user with administrator permissions and do not use AWS account root user for administrative tasks(Correct)**
- **Share AWS account root user access keys with other administrators**
- **Enable MFA for the AWS account root user(Correct)**
- **Keep your AWS account root user access keys in an encrypted file on S3**

Which AWS service will help you install application code automatically to an Amazon EC2 instance?

- **AWS CodeBuild**
- **AWS CloudFormation**
- **AWS Elastic Beanstalk**
- **AWS CodeDeploy(Correct)**

Which of the following statements are true regarding Amazon Simple Storage Service (S3) (Select two)?

- **S3 is a block storage service designed for a broad range of workloads**
- **You can install databases on S3**
- **S3 stores data in a flat non-hierarchical structure(Correct)**
- **S3 is a key value based object storage service(Correct)**
- **S3 is a fully managed, elastic file system storage service used as database backup**

Which of the following AWS storage services can be directly used with on-premises systems?

- **Amazon Elastic Block Store (EBS)**
- **Amazon EC2 Instance Store**
- **Amazon Simple Storage Service (Amazon S3)**
- **Amazon Elastic File System (Amazon EFS)(Correct)**

Which of the following entities can be used to connect to an EC2 server from a Mac OS, Windows or Linux based computer via a browser-based client?

- **Putty**
- **EC2 Instance Connect(Correct)**
- **SSH**
- **AWS Direct Connect**

Which of the following is available across all AWS Support plans?

- **AWS Personal Health Dashboard(Correct)**
- **Third-Party Software Support**
- **Full set of AWS Trusted Advisor best practice checks**
- **Enhanced Technical Support with unlimited cases and unlimited contacts**

AWS Trusted Advisor can provide alerts on which of the following common security misconfigurations? (Select two)?

- When you don't enable data encryption on S3 Glacier
- When you don't tag objects in S3 buckets
- When you allow public access to Amazon S3 buckets(**Correct**)
- When you share IAM user credentials with others
- When you don't turn on user activity logging (AWS CloudTrail)(**Correct**)

According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer for IAM? (Select two)

- Manage global network security infrastructure
- Configuration and vulnerability analysis for the underlying software infrastructure
- Enable MFA on all accounts(**Correct**)
- Analyze user access patterns and review IAM permissions(**Correct**)
- Compliance validation for the underlying software infrastructure

Bob and Susan each have an AWS account in AWS Organizations. Susan has five Reserved Instances (RIs) of the same type and Bob has none. During one particular hour, Susan uses three instances and Bob uses six for a total of nine instances on the organization's consolidated bill.

Which of the following statements are correct about consolidated billing in AWS Organizations? (Select two)

- AWS bills five instances as Reserved Instances, and the remaining four instances as regular instances(**Correct**)
- Bob does not receive any cost-benefit since he hasn't purchased any RIs. If his account has even one RI, then the cost-benefit from Susan's account is also added to his account
- Bob receives the cost-benefit from Susan's Reserved Instances only if he launches his instances in the same Region where Susan purchased her Reserved Instances
- Bob receives the cost-benefit from Susan's Reserved Instances only if he launches his instances in the same Availability Zone where Susan purchased her Reserved Instances(**Correct**)
- AWS bills three instances as Reserved Instances, and the remaining six instances as regular instances

Which of the following is best-suited for load-balancing HTTP and HTTPS traffic?

- AWS Auto Scaling
- System Load Balancer
- Network Load Balancer
- Application Load Balancer(**Correct**)

An e-commerce company wants to review the Payment Card Industry (PCI) reports on AWS Cloud. Which AWS resource can be used to address this use-case?

- AWS Secrets Manager
- AWS Artifact(**Correct**)
- AWS Trusted Advisor
- AWS Cost and Usage Reports

AWS Marketplace facilitates which of the following use-cases? (Select two)

- AWS customer can buy software that has been bundled into customized AMIs by the AWS Marketplace sellers(**Correct**)

- Buy Amazon EC2 Standard Reserved Instances
- Sell Software as a Service (SaaS) solutions to AWS customers(Correct)
- Raise request for purchasing AWS Direct Connect connection
- Purchase compliance documents from third-party vendors

A social media analytics company wants to migrate to a serverless stack on AWS. Which of the following scenarios can be handled by AWS Lambda? (Select two)

- You can install low latency databases on Lambda
- Lambda can be used for preprocessing of data before it is stored in Amazon S3 buckets(Correct)
- Lambda can be used to execute code in response to events such as updates to DynamoDB tables(Correct)
- You can install Container Services on Lambda
- Lambda can be used to store sensitive environment variables

An e-commerce company has migrated its IT infrastructure from the on-premises data center to AWS Cloud. Which of the following costs is the company responsible for?

- Costs for powering servers on AWS Cloud
- Application software license costs(Correct)
- AWS Data Center physical security costs
- Costs for hardware infrastructure on AWS Cloud

Which of the following is the best practice for application architecture on AWS Cloud?

- Use synchronous communication between components
- Build monolithic applications
- Build loosely coupled components(Correct)
- Build tightly coupled components

Which of the following is the MOST cost-effective EC2 instance purchasing option for short-term, spiky and critical workloads on AWS Cloud?

- Spot Instance
- Dedicated Host
- On-Demand Instance(Correct)
- Reserved Instance

Which pillar of AWS Well-Architected Framework is responsible for making sure that you select the right resource types and sizes based on your workload requirements?

- Operational Excellence
- Reliability
- Performance Efficiency(Correct)
- Cost Optimization

Which of the following describes an Availability Zone in the AWS Cloud?



- One or more server racks in the same location
- One or more data centers in the same location(Correct)
- One or more server racks in multiple locations
- One or more data centers in multiple locations

Which of the following statements are CORRECT regarding AWS Global Accelerator? (Select two)

- Global Accelerator is a good fit for non-HTTP use cases(Correct)
- Global Accelerator can be used to host static websites
- Global Accelerator provides static IP addresses that act as a fixed entry point to your applications(Correct)
- Global Accelerator cannot be configured with an Elastic Load Balancer (ELB)
- Global Accelerator uses the AWS global network and its edge locations. But the edge locations used by Global Accelerator are different from Amazon CloudFront edge locations

Which of the following are the serverless computing services offered by AWS (Select two)

- AWS Fargate(Correct)
- Amazon Elastic Compute Cloud (EC2)
- Amazon Lightsail
- AWS Lambda(Correct)
- AWS Elastic Beanstalk

Which AWS services can be used together to send alerts whenever the AWS account root user signs in? (Select two)

- SQS
- Lambda
- CloudWatch(Correct)
- SNS(Correct)
- Step Function

Which entity ensures that your application on Amazon EC2 always has the right amount of capacity to handle the current traffic demand?

- Application Load Balancer
- Multi AZ deployment
- Auto Scaling(Correct)
- Network Load Balancer

Which of the following types are free under the Amazon S3 pricing model? (Select two)

- Data storage fee for objects stored in S3 Glacier
- Data transferred out to an Amazon Elastic Compute Cloud (Amazon EC2) instance, when the instance is in the same AWS Region as the S3 bucket(Correct)
- Data transferred out to an Amazon Elastic Compute Cloud (Amazon EC2) instance in any AWS Region
- Data transferred in from the internet(Correct)
- Data storage fee for objects stored in S3 Standard

Which AWS service can help you analyze your infrastructure to identify unattached or underutilized EBS volumes?

- **AWS Config**
- **Amazon Inspector**
- **Amazon CloudWatch**
- **AWS Trusted Advisor(Correct)**

A firm wants to maintain the same data on S3 between its production account and multiple test accounts. Which technique should you choose to copy data into multiple test accounts while retaining object metadata?

- **Amazon S3 Storage Classes**
- **Amazon S3 Bucket Policy**
- **Amazon S3 Transfer Acceleration**
- **Amazon S3 Replication(Correct)**

As per the AWS Shared Responsibility Model, which of the following is a responsibility of AWS from a security and compliance point of view?

- **Patching guest OS and applications**
- **Patching networking infrastructure(Correct)**
- **Identity and Access Management**
- **Service and Communications Protection**

Which AWS service can be used to set up billing alarms to monitor estimated charges on your AWS account?

- **AWS CloudTrail**
- **Amazon CloudWatch(Correct)**
- **AWS Cost Explorer**
- **AWS Organizations**

Which of the following entities are part of a VPC in the AWS Cloud? (Select two)

- **Object**
- **Storage Gateway**
- **API Gateway**
- **Subnet(Correct)**
- **Internet Gateway(Correct)**

As per the Shared Responsibility Model, Security and Compliance is a shared responsibility between AWS and the customer. Which of the following security services falls under the purview of AWS under the Shared Responsibility Model?

- **AWS Shield Standard(Correct)**
- **AWS Web Application Firewall (WAF)**
- **AWS Shield Advanced**
- **Security Groups for Amazon EC2**

How is Amazon EC2 different from traditional hosting systems? (Select two)

- Amazon EC2 can scale with changing computing requirements(**Correct**)
- Amazon EC2 caters more towards groups of users with similar system requirements so that the server resources are shared across multiple users and the cost is reduced
- With Amazon EC2, users risk overbuying resources
- Amazon EC2 provides a pre-configured instance for a fixed monthly cost
- With Amazon EC2, developers can launch and terminate the instances anytime they need to(**Correct**)

Which AWS service would you use to create a logically isolated section of the AWS Cloud where you can launch AWS resources in your virtual network?

- Virtual Private Cloud (VPC)(**Correct**)
- Network Access Control List (NACL)
- Virtual Private Network (VPN)
- Subnet

AWS Shield Advanced provides expanded DDoS attack protection for web applications running on which of the following resources? (Select two)

- Amazon Elastic Compute Cloud(**Correct**)
- Amazon Simple Storage Service (Amazon S3)
- Amazon CloudFront(**Correct**)
- AWS Identity and Access Management (IAM)
- AWS Elastic Beanstalk

A cargo shipping company runs its server-fleet on Amazon EC2 instances. Some of these instances host the CRM (Customer Relationship Management) applications that need to be accessible 24\*7. These applications are not mission-critical. In case of a disaster, these applications can be managed on a lesser number of instances for some time.

Which disaster recovery strategy is well-suited as well as cost-effective for this requirement?

- Backup & Restore strategy
- Warm Standby strategy(**Correct**)
- Pilot Light strategy
- Multi-site active-active strategy

An organization maintains a separate Virtual Private Cloud (VPC) for each of its business units. Two units need to privately share data. Which is the most optimal way of privately sharing data between the two VPCs?

- VPC Endpoint
- VPC Peering(**Correct**)
- AWS Direct Connect
- Site to Site VPN

Which types of monitoring can be provided by Amazon CloudWatch? (Select TWO)

- API access
- Application performance(Correct)
- Resource utilization(Correct)
- Performance and availability of AWS services
- Account management

A company needs to use a secure online data transfer tool/service that can automate the ongoing transfers from on-premises systems into AWS while providing support for incremental data backups.

Which AWS tool/service is an optimal fit for this requirement?

- AWS Snowmobile
- AWS DataSync(Correct)
- AWS Snowcone
- AWS Storage Gateway

Which of the following billing timeframes is applied when running a Windows EC2 on-demand instance?

- Pay per second(Correct)
- Pay per hour
- Pay per minute
- Pay per day

Which AWS tool/service will help you define your cloud infrastructure using popular programming languages such as Python and JavaScript?

- AWS Elastic Beanstalk
- AWS Cloud Development Kit (CDK)(Correct)
- AWS CodeBuild
- AWS CloudFormation

A production company with predictable usage would like to reduce the cost of its Amazon EC2 instances by using reserved instances. Which of the following length terms are available for Amazon EC2 reserved instances? (Select TWO)

- 5 years
- 1 year(Correct)
- 6 months
- 3 years(Correct)
- 2 years

Which of the following are advantages of using the AWS Cloud? (Select TWO)

- Limited scaling
- Trade operational expense for capital expense
- Stop guessing about capacity(Correct)
- AWS is responsible for security in the cloud
- Increase speed and agility(Correct)

A brand new startup would like to remove its need to manage the underlying infrastructure and focus on the deployment and management of its applications. Which type of Cloud Computing does this refer to?

- **Infrastructure as a Service (IaaS)**
- **Platform as a Service (PaaS)(Correct)**
- **On-premises**
- **Software as a Service (SaaS)**

According to the Shared Responsibility Model, which of the following is a responsibility of the customer?

- **Firewall & networking configuration in EC2(Correct)**
- **Edge locations security**
- **Managing DynamoDB**
- **Protecting hardware infrastructure**

A data science team would like to build Machine Learning models for its projects. Which AWS service can it use?

- **Amazon Connect**
- **Amazon SageMaker(Correct)**
- **Amazon Comprehend**
- **Amazon Polly**

Which AWS service can be used to subscribe to an RSS feed to be notified of the status of all AWS service interruptions?

- **AWS Service Health Dashboard(Correct)**
- **AWS Personal Health Dashboard**
- **AWS Lambda**
- **Amazon SNS**

Which of the following options are the benefits of using AWS Elastic Load Balancing (ELB)? (Select TWO)

- **High availability(Correct)**
- **Agility**
- **Less costly**
- **Fault tolerance(Correct)**
- **Storage**

Which of the following options is NOT a feature of Amazon Inspector?

- **Analyze against unintended network accessibility**
- **Automate security assessments**
- **Track configuration changes(Correct)**
- **Inspect running operating systems (OS) against known vulnerabilities**

Which AWS service can be used to view the most comprehensive billing details for the past month?

- **AWS Budgets**
- **AWS Cost Explorer**

- **AWS Cost and Usage Reports(Correct)**
- **AWS Pricing Calculator**

Adding more CPU/RAM to an Amazon EC2 instance represents which of the following?

- **Loose coupling**
- **Horizontal scaling**
- **Vertical scaling(Correct)**
- **Managing increasing volumes of data**

The development team at a company manages 300 microservices and it is now trying to automate the code reviews to improve the code quality. Which tool/service is the right fit for this requirement?

- **AWS CodeBuild**
- **AWS X-Ray**
- **AWS Trusted Advisor**
- **Amazon CodeGuru(Correct)**

A Cloud Practitioner would like to get operational insights of its resources to quickly identify any issues that might impact applications using those resources. Which AWS service can help with this task?

- **Amazon Inspector**
- **AWS Trusted Advisor**
- **AWS Personal Health Dashboard**
- **AWS Systems Manager(Correct)**

Which of the following services are provided by Amazon Route 53? (Select TWO)

- **Health checks and monitoring(Correct)**
- **IP routing**
- **Load balancing**
- **Domain registration(Correct)**
- **Transfer acceleration**

A company needs to keep sensitive data in its own data center due to compliance but would still like to deploy resources using AWS. Which Cloud deployment model does this refer to?

- **Private Cloud**
- **Public Cloud**
- **Hybrid Cloud(Correct)**
- **On-premises**

A Cloud Practitioner would like to deploy identical resources across all regions and accounts using templates while estimating costs. Which AWS service can assist with this task?

- **AWS CodeDeploy**
- **Amazon LightSail**
- **AWS CloudFormation(Correct)**
- **AWS Directory Service**

A company would like to move its infrastructure to AWS Cloud. Which of the following should be included in the Total Cost of Ownership (TCO) estimate? (Select TWO)

- **Number of end-users**
- **Server administration(Correct)**
- **Power/Cooling(Correct)**
- **Electronic equipment at office**
- **Application advertising**

A company would like to create a private, high bandwidth network connection between its on-premises data centers and AWS Cloud. As a Cloud Practitioner, which of the following options would you recommend?

- **VPC Peering**
- **Site-to-Site VPN**
- **VPC Endpoints**
- **Direct Connect(Correct)**

A start-up would like to quickly deploy a popular technology on AWS. As a Cloud Practitioner, which AWS tool would you use for this task?

- **AWS Whitepapers**
- **AWS Forums**
- **AWS Quick Starts references(Correct)**
- **AWS CodeDeploy**

Which of the following AWS services can be used to generate, use, and manage encryption keys on the AWS Cloud?

- **AWS GuardDuty**
- **AWS Secrets Manager**
- **Amazon Inspector**
- **AWS CloudHSM(Correct)**

A company would like to define a set of rules to manage objects cost-effectively between storage classes. As a Cloud Practitioner, which Amazon S3 feature would you use?

- **S3 Bucket policies**
- **S3 Transfer Acceleration**
- **S3 Lifecycle management(Correct)**
- **S3 Cross-Region Replication (CRR)**

Which Amazon EC2 Auto Scaling feature can help with fault tolerance?

- **Lower cost by adjusting the number of EC2 instances**
- **Replacing unhealthy EC2 instances(Correct)**
- **Distributing load to EC2 instances**
- **Having the right amount of computing capacity**

Which security control tool can be used to deny traffic from a specific IP address?

- Security Group
- AWS GuardDuty
- VPC Flow Logs
- Network ACL(Correct)

A media company wants to enable customized content suggestions for the users of its movies streaming platform. Which AWS service can provide these personalized recommendations based on the historic data?

- Amazon Personalize(Correct)
- Amazon Comprehend
- Amazon SageMaker
- Amazon Customize

A production company would like to establish an AWS managed VPN service between its on-premises network and AWS. Which item needs to be set up on the company's side?

- A security group
- A virtual private gateway
- A VPC endpoint interface
- A customer gateway(Correct)

Which AWS tool can provide best practice recommendations for performance, service limits, and cost optimization?

- AWS Service Health Dashboard
- AWS Trusted Advisor(Correct)
- Amazon Inspector
- Amazon CloudWatch

The IT infrastructure at a university is deployed on AWS Cloud and it's experiencing a read-intensive workload. As a Cloud Practitioner, which AWS service would you use to take the load off databases?

- Amazon ElastiCache(Correct)
- Amazon Relational Database Service (RDS)
- Amazon EMR
- AWS Glue

A multinational company has just moved its infrastructure to AWS Cloud and has employees traveling to different offices around the world. How should the company set the AWS accounts?

- There is nothing to do, IAM is a global service(Correct)
- Create 'global' permissions so users can access resources from all around the world
- As employees travel, they can use other employees' accounts
- Create an IAM user for each user in each region

A company using a hybrid cloud would like to store secondary backup copies of the on-premises data. Which S3 Storage Class would you use for a cost-optimal yet rapid access solution?

- S3 Standard - General Purposes
- S3 Standard - Infrequent Access



- **S3 One Zone - Infrequent Access(Correct)**
- **S3 Glacier**

An organization would like to copy data across different Availability Zones (AZs) using EBS snapshots. Where are EBS snapshots stored in the AWS Cloud?

- **Amazon EC2**
- **Amazon EFS**
- **Amazon S3(Correct)**
- **Amazon RDS**

Which of the following statements is an AWS best practice when architecting for the Cloud?

- **Close coupling**
- **Automation(Correct)**
- **Servers, not services**
- **Security comes last**

A developer would like to automate operations on his on-premises environment using Chef and Puppet. Which AWS service can help with this task?

- **AWS OpsWorks(Correct)**
- **AWS Batch**
- **AWS CodeDeploy**
- **AWS CloudFormation**

A start-up would like to monitor its cost on the AWS Cloud and would like to choose an optimal Savings Plan. As a Cloud Practitioner, which AWS service would you use?

- **AWS Budgets**
- **AWS Pricing Calculator**
- **AWS Cost Explorer(Correct)**
- **AWS Cost and Usage Reports**

Which AWS service can inspect CloudFront distributions running on any HTTP web-server?

- **AWS WAF(Correct)**
- **AWS GuardDuty**
- **AWS Elastic Load Balancer**
- **Amazon Inspector**

Which of the following criteria are used to charge for Elastic Block Store (EBS) volumes? (Select TWO)

- **Volume type(Correct)**
- **Data type**
- **Provisioned IOPS(Correct)**
- **The EC2 instance type the EBS volume is attached to**
- **Data transfer IN**

An engineering team would like to cost-effectively run hundreds of thousands of batch computing workloads on AWS. As a Cloud Practitioner, which AWS service would you use for this task?

- Amazon Lightsail
- AWS Batch(Correct)
- AWS Lambda
- AWS Fargate

Which of the following statements is CORRECT regarding the scope of an Amazon Virtual Private Cloud (VPC)?

- A VPC spans all subnets in all regions
- A VPC spans all Availability Zones (AZs) within a region(Correct)
- A VPC spans all Availability Zones (AZs) in all regions
- A VPC spans all regions within an Availability Zone (AZ)

A company would like to separate cost for AWS services by the department for cost allocation. Which of the following is the simplest way to achieve this task?

- Create different VPCs for different departments
- Create one account for all departments and share this account
- Create tags for each department(Correct)
- Create different accounts for different departments

A corporation would like to have a central user portal to log in to third-party business applications as well as accounts managed under AWS Organizations. As a Cloud Practitioner, which AWS service would you use for this task?

- AWS Cognito
- AWS Command Line Interface (CLI)
- AWS Single Sign-On (SSO)(Correct)
- AWS Identity and Access Management (IAM)

A company would like to reserve EC2 compute capacity for three years to reduce costs. The company also plans to increase their workloads during this period. As a Cloud Practitioner, which EC2 Reserved Instance type would you recommend?

- Convertible Reserved Instances(Correct)
- Scheduled Reserved Instances
- Standard Reserved Instances
- Adaptable Reserved Instances

A company would like to move 50 petabytes (PBs) of data from its on-premises data centers to AWS in the MOST cost-effective way. As a Cloud Practitioner, which of the following solutions would you choose?

- AWS Snowball
- AWS Snowball Edge
- AWS Storage Gateway
- AWS Snowmobile(Correct)

Which of the following AWS Support plans is the MOST cost-effective when getting enhanced technical support by Cloud Support Engineers?

- Basic
- Business(Correct)
- Enterprise
- Developer

Which of the following are the best practices when using AWS Organizations? (Select TWO)

- Never use tags for billing
- Do not use AWS Organizations to automate AWS account creation
- Restrict account privileges using Service Control Policies (SCP)(Correct)
- Create accounts per department(Correct)
- Disable CloudTrail on several accounts

Which of the following statements is INCORRECT regarding EBS Volumes?

- EBS Volumes can be bound to several Availability Zones (AZs)(Correct)
- EBS Volumes can be mounted to one instance at a time
- EBS Volumes can persist data after their termination
- EBS Volumes are bound to a specific Availability Zone (AZ)

A company would like to audit requests made to an S3 bucket. As a Cloud Practitioner, which S3 feature would you recommend addressing this use-case?

- S3 Access Logs(Correct)
- S3 Bucket Policies
- S3 Cross-Region Replication (CRR)
- S3 Versioning

An e-commerce company would like to build a chatbot for its customer service using Natural Language Understand (NLU). As a Cloud Practitioner, which AWS service would you use?

- Amazon Comprehend
- Amazon Rekognition
- Amazon SageMaker
- Amazon Lex(Correct)

An engineering team is new to the AWS Cloud and it would like to launch a dev/test environment with low monthly pricing. Which AWS service can address this use-case?

- Amazon LightSail(Correct)
- Amazon EC2
- Amazon ECS
- AWS CloudFormation

According to the Well-Architected Framework, which of the following statements are recommendations in the Operational Excellence pillar? (Select two)

- **Anticipate failure(Correct)**
- **Make frequent, small, reversible changes(Correct)**
- **Automatically recover from failure**
- **Enable traceability**
- **Use serverless architectures**

A growing start-up has trouble identifying and protecting sensitive data at scale. Which AWS fully managed service can assist with this task?

- **Amazon Macie(Correct)**
- **AWS Artifact**
- **AWS KMS**
- **AWS Secrets Manager**

Which AWS serverless service allows you to prepare data for analytics?

- **Amazon EMR**
- **AWS Glue(Correct)**
- **Amazon Redshift**
- **Amazon Athena**

According to the Well-Architected Framework, which of the following action is recommended in the Security pillar?

- **Use AWS Cost Explorer to view and track your usage in detail**
- **Use AWS CloudFormation to automate security best practices**
- **Use AWS KMS to encrypt data(Correct)**
- **Use Amazon CloudWatch to measure overall efficiency**

Which service/tool will you use to create and provide trusted users with temporary security credentials that can control access to your AWS resources?

- **AWS Web Application Firewall (AWS WAF)**
- **Amazon Cognito**
- **AWS Single Sign-On (SSO)**
- **AWS Security Token Service (AWS STS)(Correct)**

A company would like to optimize Amazon EC2 costs. Which of the following actions can help with this task? (Select TWO)

- **Purchase EC2 Reserved instances(Correct)**
- **Vertically scale the EC2 instances**
- **Opt for a higher AWS Support plan**
- **Build its own servers**
- **Set up Auto Scaling groups to align the number of instances with demand(Correct)**

Which of the following statements is the MOST accurate when describing AWS Elastic Beanstalk?

- **It is an Infrastructure as a Service (IaaS) which allows you to deploy and scale web applications and services**

- It is an Infrastructure as Code which allows you to model and provision resources needed for an application
- It is a Platform as a Service (PaaS) which allows you to deploy and scale web applications and services(Correct)
- It is a Platform as a Service (PaaS) which allows you to model and provision resources needed for an application

Which AWS service can be used to send, store, and receive messages between software components at any volume to decouple application tiers?

- AWS Organizations
- Amazon SQS(Correct)
- Amazon SNS
- AWS Elastic Beanstalk

According to the Shared Responsibility Model, which of the following are responsibilities of AWS? (Select two)

- Encrypting application data
- Data center security(Correct)
- Installing security patches of the guest operating system (OS)
- Configuring IAM Roles
- Network operability(Correct)

A company is planning to implement Chaos Engineering to expose any blind spots that can disrupt the resiliency of the application.

Which AWS service will help implement this requirement with the least effort?

- AWS GuardDuty
- AWS Fault Injection Simulator(Correct)
- AWS Trusted Advisor
- Amazon Inspector

A research lab needs to be notified in case of a configuration change for security and compliance reasons. Which AWS service can assist with this task?

- AWS Trusted Advisor
- AWS Secrets Manager
- AWS Config(Correct)
- Amazon Inspector

A company based in Sydney hosts its application on EC2 instances in ap-southeast-2. They would like to deploy the same EC2 instances in eu-south-1. Which of the following AWS entities can address this use-case?

- Elastic Load Balancing (ELB)
- EBS snapshots
- AWS Lambda
- Amazon Machine Image (AMI)(Correct)

Which of the following IAM Security Tools allows you to review permissions granted to a user?

- IAM credentials report
- IAM access advisor(Correct)
- Multi-Factor Authentication (MFA)
- IAM policies

Which AWS service allows you to quickly and easily add user sign-up, sign-in, and access control to web and mobile applications?

- AWS Organizations
- AWS Identity and Access Management (IAM)
- Amazon Cognito(Correct)
- AWS Single Sign-On (SSO)

According to the Shared Responsibility Model, which of the following is both the responsibility of AWS and the customer? (Select two)

- Disposal of disk drives
- Data center security
- Configuration management(Correct)
- Customer data
- Operating system (OS) configuration(Correct)

A supply chain company is looking for a database that provides a centrally verifiable history of all changes made to data residing in it. This functionality is critical for the product and needs to be available off-the-shelf without the need for any customizations.

Which of the following databases is the right choice for this use-case?

- Amazon Managed Blockchain
- Amazon Quantum Ledger Database(Correct)
- Amazon Neptune
- Amazon Timestream

A team lead is reviewing the AWS services that can be used in the development workflow for his company. Which of the following statements are correct regarding the capabilities of these AWS services? (Select three)

- AWS CodeStar is a cloud-based integrated development environment that lets you write, run, and debug your code with just a browser
- CodeBuild is directly integrated with both CodePipeline and CodeCommit
- CodePipeline uses Amazon CloudWatch Events to detect changes in CodeCommit repositories used as a source for a pipeline(Correct)
- CodeCommit allows you to run builds and tests as part of your CodePipeline
- Each CodeStar project includes development tools, including AWS CodePipeline, AWS CodeCommit, AWS CodeBuild, and AWS CodeDeploy, that can be used on their own and with existing AWS applications(Correct)
- You can use AWS CodeStar and AWS Cloud9 to develop, build, and deploy a serverless web application(Correct)

A company has defined a baseline that mentions the number of AWS resources to be used for different stages of application testing. However, the company realized that employees are not adhering to the guidelines and provisioning additional resources via API calls, resulting in higher testing costs.

Which AWS service will help the company raise alarms whenever the baseline resource numbers are crossed?

- AWS Config
- AWS X-Ray
- AWS CloudTrail Insights(Correct)
- Amazon Detective

Which of the following AWS services can be used to continuously monitor both malicious activities as well as unauthorized behavior to protect your AWS accounts and workloads?

- Amazon GuardDuty(Correct)
- Amazon Detective
- Amazon Inspector
- AWS Security Hub

Which of the following AWS services will help provision a logically isolated network for your AWS resources?

- AWS Firewall Manager
- Amazon Route 53
- Amazon Virtual Private Cloud (Amazon VPC)(Correct)

- **AWS PrivateLink**

Which AWS service allows you to connect any number of IoT devices to the cloud without requiring you to provision or manage servers?

- **AWS IoT Core(Correct)**
- **AWS Control Tower**
- **AWS IoT Gateway**
- **Amazon Connect**

A team manager needs data about the changes that have taken place for AWS resources in his account during the past two weeks. Which AWS service can help get this data?

- **AWS Config(Correct)**
- **Amazon CloudWatch**
- **Amazon Inspector**
- **AWS CloudTrail**

As part of a flexible pricing model, AWS offers two types of Savings Plans. Which of the following are the Savings Plans from AWS?

- **Reserved Instances Savings Plans, EC2 Instance Savings Plans**
- **Compute Savings Plans, Storage Savings Plans**
- **Instance Savings Plans, Storage Savings Plans**
- **Compute Savings Plans, EC2 Instance Savings Plans(Correct)**

Which of the following statements are correct regarding the AWS Control Tower and Service Control Policies? (Select two)

- **Service Control Policies (SCPs) can help grant permissions to the accounts in your organization**
- **Service Control Policies (SCPs), by default, effect all the users in the AWS Organization. They have to be configured to effect only the member accounts, if needed**
- **AWS Control Tower helps you deploy a multi-account AWS environment and operate it with day-to-day reminders and recommendations**
- **Control Tower is an AWS native service providing a pre-defined set of blueprints and guardrails to help customers implement a landing zone for new AWS accounts(Correct)**
- **Service Control Policies (SCPs) are a type of organization policy that you can use to manage permissions in your organization(Correct)**

An e-commerce company has its on-premises data storage on an NFS file system that is accessed in parallel by multiple applications. The company is looking at moving the applications and data stores to AWS Cloud.

Which storage service should the company use to move their files to AWS Cloud seamlessly if the application is hosted on Amazon EC2 instances?

- **Amazon Elastic Block Store (EBS)**
- **Amazon Elastic File System (Amazon EFS)(Correct)**
- **AWS Storage Gateway**
- **Amazon Simple Storage Service (Amazon S3)**

Which of the following is a repository service that helps in maintaining application dependencies via integration with commonly used package managers and build tools like Maven, Gradle, npm, etc?

- **AWS CodeArtifact(Correct)**



- **AWS CodeBuild**
- **AWS CodeCommit**
- **AWS CodeStar**

A media company uses Amazon Simple Storage Service (Amazon S3) for storing all its data. Which storage class should it consider for cost-optimal storage of the data that has random access patterns?

- **Amazon S3 Standard-Infrequent Access (S3 Standard-IA)**
- **Amazon S3 Standard (S3 Standard)**
- **Amazon S3 Intelligent-Tiering (S3 Intelligent-Tiering)(Correct)**
- **Amazon S3 Random Access (S3 Random-Access)**

Historically, IT departments had to over-provision for peak demand. IT professionals may bring this legacy mindset to the table when they build their cloud infrastructure leading to over-provisioned resources and unnecessary costs. Right-sizing of resources is necessary to reduce infrastructure costs while still using cloud functionality optimally.

Which feature of the AWS Cloud refers to right sizing the resources?

- **Horizontal scaling**
- **Resiliency**
- **Elasticity(Correct)**
- **Reliability**

Which of the following statements are correct regarding the health monitoring and reporting capabilities supported by AWS Elastic Beanstalk? (Select two)

- **In a single instance environment, Elastic Beanstalk determines the instance's health by monitoring the Elastic Load Balancing health settings**
- **The basic health reporting system that provides information about the health of instances in an Elastic Beanstalk environment does not use health checks performed by Elastic Load Balancing**
- **AWS Elastic Beanstalk provides only basic health reporting system; Combined with Elastic Load Balancer, they provide advanced health check features**
- **The Elastic Beanstalk health monitoring can determine that the environment's Auto Scaling group is available and has a minimum of at least one instance(Correct)**
- **With basic health reporting, the Elastic Beanstalk service does not publish any metrics to Amazon CloudWatch(Correct)**

A company is looking at a service/tool to automate and minimize the time spent on keeping the server images up-to-date. These server images are used by EC2 instances as well as the on-premises systems.

Which AWS service will help achieve the company's need?

- **Amazon EC2 Image Builder(Correct)**
- **AWS CloudFormation templates**
- **Amazon EC2 AMI**
- **AWS Systems Manager (Amazon Simple Systems Manager (SSM))**

A company is looking for ways to make its desktop applications available to the employees from browsers on their devices/laptops. Which AWS service will help achieve this requirement without having to procure servers or maintain infrastructure?

- **Amazon AppStream 2.0(Correct)**

- Amazon Snowball
- Amazon Outposts
- Amazon WorkSpaces

Which of the following are NoSQL database services from AWS? (Select two)

- Amazon RDS
- Amazon DocumentDB(Correct)
- Amazon Aurora
- Amazon Neptune(Correct)
- AWS Storage Gateway

Which member of the AWS Snow Family is used by the Edge computing applications for IoT use cases for facilitating the collection and processing of data to gain immediate insights and then transfer the data to AWS?

- AWS Snowposts
- AWS Snowcone(Correct)
- AWS Snowmobile
- AWS Snowball Edge Storage Optimized

Which of the following statements are correct regarding Amazon API Gateway? (Select two)

- API Gateway can be configured to send data directly to Amazon Kinesis Data Stream(Correct)
- API Gateway does not yet support API result caching
- API Gateway can call an AWS Lambda function to create the front door of a serverless application(Correct)
- If an API response is served by the cached data, it is not considered an API call for billing purposes
- API Gateway creates RESTful APIs, Storage Gateway creates WebSocket APIs

Which AWS service is used to store and commit code privately and also offer features for version control?

- AWS CodeStar
- AWS CodeCommit(Correct)
- AWS CodeBuild
- AWS CodePipeline

A company is moving its on-premises application to AWS Cloud. The application uses in-memory caches for running custom workloads. Which Amazon EC2 instance type is the right choice for the given requirement?

- Compute Optimized instance types
- Accelerated computing instance types
- Memory Optimized instance types(Correct)
- Storage Optimized instance types

Which of the following AWS services is delivered globally rather than regionally?

- Amazon Elastic File System
- AWS Snowmobile
- Amazon S3 buckets
- Amazon WorkSpaces(Correct)

A healthcare company wants to implement a continuous replication based disaster recovery mechanism and provide fast, reliable recovery of physical, virtual, and cloud-based servers into AWS Cloud. Which of the following represents the best-fit solution for this use case?

- **CloudEndure Disaster Recovery(Correct)**
- **AWS Storage Gateway**
- **AWS Snowball Edge**
- **CloudCover Disaster Recovery**

A company stores all their media files to Amazon S3 storage service which is accessed by an application hosted on Amazon EC2 instances. The company wants to convert these media files into formats that users can playback on mobile devices.

Which AWS service/tool helps you achieve this requirement?

- **Amazon Elastic Transcoder(Correct)**
- **Amazon Transcribe**
- **Amazon Comprehend**
- **AWS Glue**

By default, which of the following events are logged by AWS CloudTrail?

- **Data events and Insights events**
- **Insights events**
- **Data events**
- **Management events(Correct)**

A manufacturing company is looking at a service that can offer AWS infrastructure, AWS services, APIs, and tools to its on-premises data center for running low latency applications.

Which of the following service/tool is the best fit for the given requirement?

- **AWS Wavelength**
- **AWS Snow Family**
- **AWS Local Zones**
- **AWS Outposts(Correct)**

A company is planning to move their traditional CRM application running on MySQL to an AWS database service. Which database service is the right fit for this requirement?

- **Amazon DynamoDB**
- **Amazon Aurora(Correct)**
- **Amazon ElastiCache**
- **Amazon Neptune**

A company provides you with a completed product that is run and managed by the company itself. As a customer, you only use the product without worrying about maintaining or managing the product.

Which cloud computing model does this kind of product belong to?

- **Platform as a Service (PaaS)**
- **Product as a Service (Paas)**
- **Software as a Service (SaaS)(Correct)**
- **Infrastructure as a Service (IaaS)**

A financial consulting company is looking for automated reference deployments, that will speed up the process of deploying its financial solutions on AWS Cloud. The reference deployment should be able to deploy most of the well-known functions of financial services and leave space for customizations, if necessary.

Which AWS service will help achieve this requirement?

- **AWS Elastic Beanstalk**
- **AWS CloudFormation**
- **Amazon Quicksight**
- **AWS Quick Starts(Correct)**

Which of the following data sources are used by Amazon Detective to analyze events and identify potential security issues?

- **AWS CloudTrail logs, Amazon VPC Flow Logs and Amazon GuardDuty findings(Correct)**
- **Amazon CloudWatch Logs, AWS CloudTrail logs and S3 Access Logs**
- **Amazon CloudWatch Logs, Amazon VPC Flow Logs and Amazon GuardDuty findings**
- **Amazon CloudWatch Logs, AWS CloudTrail logs and Amazon Inspector logs**

A university provides access to AWS services for its students to submit their research data for analysis. The university is looking at a cost-effective approach for mitigating data loss or data corruption.

Which disaster recovery strategy is well-suited for this use case?

- **Multi-site active/active strategy**
- **Backup and restore strategy(Correct)**
- **Pilot light strategy**
- **Warm standby strategy**

A gaming company needs compute and storage services close to edge locations in order to ensure ultra-low latency for end-users and devices that connect through mobile networks. Which AWS service is the best fit for this requirement?

- **AWS Snowball Edge**
- **AWS Wavelength(Correct)**
- **AWS Snowmobile**
- **AWS Outposts**

Which of the following points have to be considered when choosing an AWS Region for a service? (Select two)

- **Compliance and Data Residency guidelines of the AWS Region should match your business requirements(Correct)**
- **The AWS Region chosen should have all its Availability Zones (AZs) within 100 Kms radius, to keep latency low for hosted applications**
- **The AWS Region with high availability index should be considered for your business**
- **The AWS Region should have 5G networks, to seamlessly access the breadth of AWS services in the region**
- **AWS Region chosen should be geographically closer to the user base that utilizes the hosted AWS services(Correct)**

Which tool/service will help you get a forecast of your spending for the next 12 months?

- **AWS Pricing Calculator**
- **AWS Cost Explorer(Correct)**
- **Consolidated Billing of AWS Organizations**
- **AWS Marketplace**

Which of the following AWS services are offered free of cost? (Select two)

- **AWS Auto Scaling(Correct)**
- **CloudWatch facilitated detailed monitoring of EC2 instances**
- **Amazon EC2 Spot Instances**
- **An Elastic IP address, which is chargeable as long as it is associated with an EC2 instance**
- **AWS Elastic Beanstalk(Correct)**

Which free tool helps to review the state of your workloads and compares them to the latest AWS architectural best practices after you have answered a series of questions about your workload?

- **AWS Trusted Advisor**
- **AWS Technical Account Manager (TAM)**
- **AWS Well-Architected Tool(Correct)**
- **AWS Well-Architected Framework**

A Security Group has been changed in an AWS account and the manager of the account has asked you to find out the details of the user who changed it. As a Cloud Practitioner, which AWS service will you use to fetch the necessary information?

- **AWS Trusted Advisor**
- **AWS CloudTrail(Correct)**
- **AWS X-Ray**
- **Amazon Inspector**

A company wants to establish a private, dedicated connection between AWS and its on-premises datacenter. Which AWS service is the right choice for this requirement?

- **AWS Direct Connect(Correct)**
- **AWS Site to Site Virtual Private Network (VPN)**
- **Amazon API Gateway**
- **Amazon CloudFront**

An e-commerce company needs to generate custom reports and graphs every week for analyzing the product sales data. The company is looking at a tool/service that will help them analyze this data using interactive dashboards with minimal effort. The dashboards also need to be accessible from any device.

Which AWS tool/service will you recommend for this use-case?

- **Amazon SageMaker**
- **Amazon Athena**
- **Amazon Quicksight(Correct)**
- **AWS Glue**

Which of the following is the least effort way to encrypt data for AWS services only in your AWS account using AWS Key Management Service (KMS)?

- **Create your own customer master keys (CMKs) in AWS KMS**

- Use AWS managed master keys that are automatically created in your account for each service(Correct)
- Use AWS owned CMK in the service you wish to use
- Use AWS KMS APIs to encrypt data within your own application by using the AWS Encryption SDK

Due to regulatory guidelines, a company needs to encrypt data as it passes through the different layers of its AWS architecture. The company is reviewing the capabilities of the various AWS services and their encryption options.

Which of the below services are encrypted by default and need no user intervention to enable encryption?

- CloudTrail Logs, S3 Glacier, AWS Storage Gateway(Correct)
- AWS Storage Gateway, Application Load Balancer (ALB), Amazon CloudFront
- CloudWatch logs, Application Load Balancer (ALB), S3 Glacier
- AWS Organizations, Amazon EC2, CloudTrail Logs

A company is looking at real-time processing of streaming big data for their ad-tech platform. Which of the following AWS services is the right choice for this requirement?

- Amazon EMR
- Amazon Redshift
- Amazon Kinesis data stream(Correct)
- Amazon Simple Queue Service (Amazon SQS)

An e-commerce application sends out messages to a downstream application whenever an order is created. The downstream application processes the messages and updates its own systems. Currently, the two applications directly communicate with each other.

Which service will you use to decouple this architecture, without any communication loss between the two systems?

- Amazon Simple Notification Service (Amazon SNS)
- AWS Lambda
- Amazon Simple Queue Service (SQS)(Correct)
- Amazon Kinesis Data Streams

An e-learning company wants to build a knowledge graph by leveraging a fully managed database. Which of the following is the best fit for this requirement?

- Amazon Neptune(Correct)
- Amazon DocumentDB
- Amazon RDS
- Amazon DynamoDB

AWS Support offers four support plans for its customers. Identify the features that are covered as part of the AWS Basic Support Plan? (Select two)

- Infrastructure event management
- Best practice guidance
- Use-case guidance – What AWS products, features, and services to use to best support your specific needs
- Service health checks(Correct)
- One-on-one responses to account and billing questions(Correct)

A weather tracking application is built using Amazon DynamoDB. The performance of the application has been consistently good. But lately, the team has realized that during holidays and travel seasons, the load on the application is high and the read requests consume most of the database resources, thereby drastically increasing the overall application latency.

Which feature/service will help resolve this issue?

- **DynamoDB Accelerator(Correct)**
- **Amazon ElastiCache**
- **DynamoDB Regulator**
- **Amazon CloudFront**

AWS Support plans are designed to give the right mix of tools and access to expertise for successfully running a business using AWS.

Which support plan(s) offer the full set of checks for AWS Trusted Advisor best practices and also provide support for programmatic case management?

- **Developer, Business and Enterprise support plans**
- **Business and Enterprise support plans(Correct)**
- **Only Enterprise support plans**
- **Business support plans after paying an additional fee and Enterprise support plans**

Which of the following statements are true about AWS Shared Responsibility Model? (Select two)

- **For abstracted services, such as Amazon S3, AWS operates the infrastructure layer, the operating system, platforms, encryption options, and appropriate permissions for accessing the S3 resources**
- **AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications(Correct)**
- **Amazon Elastic Compute Cloud (Amazon EC2) is categorized as Infrastructure as a Service (IaaS) and hence AWS will perform all of the necessary security configuration and management tasks**
- **AWS trains AWS employees, but a customer must train their own employees(Correct)**
- **AWS maintains the configuration of its infrastructure devices and is responsible for configuring the guest operating systems, databases, and applications**

Which of the following statements are correct regarding the AWS Support Plans? (Select two)

- **Contextual guidance based on customer use-case, is available only for Enterprise support plans**
- **Both Basic and Developer Support plans have access to 7 core Trusted Advisor checks(Correct)**
- **Infrastructure Event Management is included for free for Business and Enterprise support plans and can be extended to a Developer support plan for an additional fee**
- **AWS Concierge service is available for Business and Enterprise support plans**
- **A designated Technical Account Manager is available only for Enterprise support plans(Correct)**

A blogging company is looking at an easy to use solution to host WordPress blogs. The company needs a cost-effective, readily available solution without the need to manage the configurations for servers or the databases.

Which AWS service will help you achieve this functionality?

- **Amazon Lightsail(Correct)**
- **Amazon Elastic Compute Cloud (EC2) with Amazon S3 for storage**



- **AWS Fargate**
- **Host the application directly on Amazon S3**

Which feature/functionality will help you organize your AWS resources, manage and automate tasks on large numbers of resources at a time?

- **AWS Resource Groups(Correct)**
- **Amazon WorkSpaces**
- **AWS Organizations**
- **Tags**

Per the AWS Shared Responsibility Model, management of which of the following AWS services is the responsibility of the customer?

- **Amazon Simple Storage Service (Amazon S3)**
- **AWS Elastic Beanstalk**
- **Amazon DynamoDB**
- **Amazon Elastic Compute Cloud (Amazon EC2)(Correct)**

An online retail clothing store is looking for a service/tool to easily create and embed 3D scenes into their existing web pages to enhance user experience and improve sales. Which AWS service will help create these 3D visuals?

- **Amazon SageMaker**
- **Amazon Sumerian(Correct)**
- **Amazon Comprehend**
- **Amazon Polly**

Which of the following will help you control the incoming traffic to an Amazon EC2 instance?

- **Security Group(Correct)**
- **NACL (Network ACL)**
- **Route Table**
- **AWS Resource Group**

Which of the following statements are true about AWS Regions and Availability Zones (AZs)? (Select two)

- **All traffic between AZ's is encrypted(Correct)**
- **Traffic between AZ's is not encrypted by default, but can be configured from AWS console**
- **AWS calls each group of logical data centers as AWS Regions**
- **An Availability Zone is a physical location where AWS clusters the data centers**
- **Each AWS Region consists of multiple, isolated, and physically separate AZ's within a geographic area(Correct)**

Which of the following are security best practices suggested by AWS for Identity and Access Management (IAM)? (Select two)

- **Don't share security credentials between accounts, use IAM roles instead(Correct)**
- **Enable AWS multi-factor authentication (MFA) on your AWS root user account. MFA helps give root access to multiple users without actually sharing the root user login credentials**
- **When you create IAM policies, grant the least privileges required to perform a task(Correct)**
- **Do not change passwords and access keys once created. This results in failure of connectivity in the application logic**



- **Share your AWS account root user credentials only if absolutely necessary for performing an important billing operation**

Which of the following services/tools offers a user-friendly graphical user interface to manage AWS Snowball devices without a need for command-line interface or REST APIs?

- **AWS OpsWorks**
- **AWS OpsHub(Correct)**
- **AWS Transfer Family**
- **AppStream 2.0**

Which of the following statements are true about AWS Elastic Beanstalk? (Select two)

- **With Elastic Beanstalk, you can quickly deploy and manage applications in the AWS Cloud without having to learn about the infrastructure that runs those applications(Correct)**
- **AWS Elastic Beanstalk automates the details of capacity provisioning, load balancing, and application deployment, creating an environment that runs a version of your application. However, auto-scaling functionality cannot be automated using Elastic Beanstalk**
- **There is no additional charge for Elastic Beanstalk. You pay only for the underlying AWS resources that your application consumes(Correct)**
- **AWS Elastic Beanstalk supports web applications built on different languages. But, Elastic Beanstalk cannot be used for deploying non-web applications**
- **AWS Elastic Beanstalk supports Java, .NET, PHP, but does not support Docker web applications**

As part of log analysis, you have realized that one or more AWS-owned IP addresses are being used for port scanning your on-premises server. Which service/team should you connect to resolve this issue?

- **Contact AWS Support**
- **Reach out to Werner Vogels, the CTO of Amazon, with the details of the incident**
- **Contact AWS Abuse team(Correct)**
- **Use AWS Trusted Advisor to log a complaint with AWS**

Which of the following use-cases can be solved using the Amazon Forecast service?

- **To recommend personalized products for users based on their previous purchases**
- **To develop and test fully functional machine learning models**
- **Predict the web traffic of a website for the next few weeks(Correct)**
- **Document search service that can extract answers from text within documents**

Which of the following represents the correct scenario where an Auto Scaling group's (ASG) predictive scaling can be effectively used to maintain the required number of AWS resources?

- **To manage a fixed number of resources in the Auto Scaling group**
- **To help configure a CloudWatch Amazon SQS metric like `ApproximateNumberOfMessagesVisible` for scaling the group based on the value of the metric**
- **To manage a workload that exhibits recurring load patterns that are specific to the day of the week or the time of day(Correct)**
- **To help configure a scaling policy to keep the average aggregate CPU utilization of your Auto Scaling group at 40 percent**

Which pillar of AWS Well-Architected Framework focuses on using IT and computing resources efficiently, while considering the right resource types and sizes based on workload requirements?

- **Cost Optimization Pillar**
- **Performance Efficiency Pillar(Correct)**
- **Operational Excellence Pillar**
- **Reliability Pillar**

To meet the compliance norms, a consulting company is expected to store its data for three years. The company needs a tamper-proof technology/feature to keep the data protected and prevent any overwriting or data manipulation during the three-year duration.

As a Cloud Practitioner, which service/functionality will you suggest to keep the data safe?

- **Amazon S3 Glacier Vault Lock(Correct)**
- **Amazon S3 Object Lock**
- **Amazon S3 Storage Lens**
- **Amazon Macie**

A financial services company needs to retain its data for 10 years to meet the compliance norms. Which Amazon S3 storage class is the best fit for this use-case considering that the data has to be stored at minimal cost?

- **Amazon S3 Intelligent-Tiering**
- **Amazon S3 Standard-Infrequent Access**
- **Amazon S3 Glacier Deep Archive(Correct)**
- **Amazon S3 Glacier**

AWS Web Application Firewall (AWS WAF) can be deployed on which of the following services?

- **Amazon CloudFront, Application Load Balancer, Amazon API Gateway, AWS AppSync(Correct)**
- **Application Load Balancer, Amazon Elastic Compute Cloud (Amazon EC2), Amazon API Gateway**
- **AWS AppSync, Amazon CloudFront, Application Load Balancer, Amazon Elastic Compute Cloud (Amazon EC2)**
- **Amazon CloudFront, Amazon Elastic Compute Cloud (Amazon EC2), Amazon API Gateway, Application Load Balancer**