

Exam Code: CLF-C01

Exam Name: AWS-Certified-Cloud-Practitioner

#### 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.

Answer: C

Explanation: AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes

#### 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

Answer: A

Explanation:

<https://aws.amazon.com/blogs/startups/how-to-set-aws-budget-when-paying-with-aws-credits/>

Using Cost Allocation Tags - You can use tags to organize your resources and cost allocation tags to track your AWS costs on a detailed level.

#### 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

Answer: C

Explanation: <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

Answer: C

Explanation: <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

Answer: C

#### 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.

Answer: C

#### QUESTION 7

Which AWS services can host a Microsoft SQL Server database? (Select TWO.)

- A.Amazon EC2
- B.Amazon Relational Database Service (Amazon RDS)
- C.Amazon Aurora
- D.Amazon Redshift
- E.Amazon S3

Answer: AB

Explanation: <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

Answer: B

#### 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

Answer: C

Explanation: <https://aws.amazon.com/ec2/pricing/>

#### QUESTION 10

Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Select TWO.)

- A.High availability
- B.Shared security model
- C.Elasticity
- D.Pay-as-you-go pricing
- E.Reliability

Answer: CD

#### 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

Answer: B

Explanation: <https://aws.amazon.com/cloudtrail/>

#### QUESTION 12

Which of the following are characteristics of Amazon S3? (Select 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

Answer: BE

#### QUESTION 13

Which services can be used across hybrid AWS Cloud architectures? (Select TWO.)

- A.Amazon Route 53
- B.Virtual Private Gateway
- C.Classic Load Balancer
- D.Auto Scaling
- E.Amazon CloudWatch default metrics

Answer: AE

Explanation:<https://aws.amazon.com/cloudwatch/>.

You can also use CloudWatch in hybrid cloud architectures by using the CloudWatch Agent or API to monitor your on-premises resources

#### 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

Answer: C

Explanation:[https://media.amazonaws.com/AWS\\_TCO\\_Web\\_Applications.pdf](https://media.amazonaws.com/AWS_TCO_Web_Applications.pdf)

#### 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)

Answer: D

#### 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.

Answer: B

Explanation:[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? (Select three.)

- A.Detailed billing report
- B.Cost allocation tags
- C.AWS Simple Monthly Calculator
- D.AWS Total Cost of Ownership (TCO) Calculator
- E.Cost Eliminator

Answer: BCD

Explanation:

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

#### QUESTION 18

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

Answer: AD

Explanation:

<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

Answer: C

Explanation:

<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.

Answer: D

Explanation:

<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.

Answer: B

#### 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

Answer: C

Explanation:

<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

Answer: C

#### 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

Answer: C

Explanation:

<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

Answer: C

#### 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

Answer: B

Explanation:

<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

Answer: C

Explanation:

<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? (Select 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

Answer: BD

Explanation:

<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.

Answer: C

#### 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.

Answer: B

Explanation:

[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? (Select 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

Answer: DE

#### QUESTION 32

Which AWS services should be used for read/write of constantly changing data? (Select TWO.)

- A.Amazon Glacier
- B.Amazon RDS
- C.AWS Snowball
- D.Amazon Redshift
- E.Amazon EFS

Answer: BE

#### 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.

Answer: A

Explanation:

In the main RDS page though, Lower administrative burden is listed as part of the benefits.

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

#### 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

Answer: A

Explanation:

<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

Answer: A

Explanation:

<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

Answer: D

Explanation:

<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

Answer: B

#### 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.

Answer: C

#### 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

Answer: A

#### 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

Answer: B

Explanation:

[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

Answer: C

Explanation:

<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

Answer: D

Explanation:

<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



Answer: B

Explanation:

<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

Answer: A

Explanation:

<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

Answer: B

#### 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

Answer: B

Explanation:

Global Reach will support an international company using Cloud-Front.

#### 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

Answer: C

Explanation:

<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 the 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.

Answer: C

Explanation:

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

#### QUESTION 49

Which of the following are features of Amazon CloudWatch Logs? (Select 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

Answer: DE

#### 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

Answer: A

Explanation:

<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? (Select 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

Answer: AC

#### 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)

Answer: D

Explanation:

<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

Answer: D

Explanation:

<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

Answer: B

#### 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

Answer: A

#### 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

Answer: D

Explanation:

<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.

Answer: B

Explanation:

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

#### QUESTION 58

Which of the following are valid ways for a customer to interact with AWS services?

(Select TWO.)

- A.Command line interface
- B.On-premises
- C.Software Development Kits
- D.Software-as-a-service
- E.Hybrid

Answer: AC

#### 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.

Answer: B

#### QUESTION 60

Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Select TWO.)

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

Answer: BE

Explanation:

<https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/> <https://aws.amazon.com/cloudfront/>

n.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

Answer: C

Explanation:

<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.

Answer: C

#### 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

Answer: D

Explanation:

<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

Answer: B

Explanation:

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Access keys are long-term credentials for an IAM user or the AWS account root user. You can use access keys to sign programmatic requests to the AWS CLI or AWS API (directly or using the AWS SDK). For more information, see Signing AWS API Requests in the Amazon Web Services General Reference.

#### QUESTION 65

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

Answer: BC

Explanation:

Penetration testing is not correct, because it can be done by customers on their own resources.

#### QUESTION 66

Which AWS managed service is used to host databases?

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

Answer: D

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

Answer:D

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

Answer: D

Explanation:

"Provisioning for peaks" is a characteristic of a traditional computing environment, per the AWS Best Practices: "you provision capacity based on an estimate of a theoretical maximum peak." "[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

Answer: B

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

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

Answer: C

Explanation:

Because customer is responsible for encrypting data in transportation. Answer must be C. Yes, customer may need to update operating system. However, customer has no access to the underlying firmware. That is responsibility of AWS.

#### QUESTION 71

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

Answer: A

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 72

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.

Answer: B

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.amazonaws.com/>

[IDC\\_Business\\_Value\\_of\\_AWS\\_Accelerates\\_Over\\_time.pdf](#)

#### QUESTION 73

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

Answer: A

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 74

Which AWS service provides the ability to manage infrastructure as code?

- A.AWS CodePipeline
- B.AWS CodeDeploy
- C.AWS Direct Connect
- D.AWS CloudFormation

Answer: D

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 75

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

Answer: A

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 76

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.

Answer: B

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 77

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

Answer: B

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 78

Which of the following services could be used to deploy an application to servers running

on-premises? (Select TWO.)

- A.AWS Elastic Beanstalk
- B.AWS OpsWorks
- C.AWS CodeDeploy
- D.AWS Batch
- E.AWS X-Ray

Answer: BC

Explanation:

<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 79

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

Answer: C

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 80

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.

Answer: CE

#### QUESTION 81

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

Answer: B

Explanation:

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

#### QUESTION 82

Where can AWS compliance and certification reports be downloaded?

- A.AWS Artifact
- B.AWS Concierge
- C.AWS Certificate Manager
- D.AWS Trusted Advisor

Answer: A

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 83

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

Answer: C

#### QUESTION 84

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

Answer: A

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 85

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.

Answer: B

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 86 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

Answer: B

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 87

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.

Answer: A

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 88

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

Answer: C

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 89

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

Answer: BE

#### QUESTION 90

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.

Answer: B

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 91

Which of the following security measures protect access to an AWS account? (Select 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.

Answer: BE

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 92

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)

Answer: C

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 93

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

Answer: B

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 94

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.

Answer: A

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 95

Which AWS support plan includes a dedicated Technical Account Manager?

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

Answer: B

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 96

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.

Answer: B

### QUESTION 97

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

Answer: C

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 98

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

Answer: D

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 99

Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Select TWO.)

- A.AWS Trusted Advisor
- B.AWS Online Tech Talks
- C.AWS Blog
- D.AWS Forums
- E.AWS Classroom Training

Answer: BE

Explanation:

AWS Training and Certification builds your competence, confidence, and credibility through practical cloud skills that help you innovate and build your future. Our content is built by experts at AWS and updated regularly so you're always learning the latest and keeping your cloud skills fresh.

Amazon offer both digital and classroom training including private on-site training. You can choose to learn online at your own pace or learn from an accredited AWS instructor.

Whether you're just starting out, building on existing IT skills, or sharpening your cloud knowledge, AWS Training and Certification can help you be more effective and do more in the cloud.

Reference: <https://aws.amazon.com/training/course-descriptions/>

#### QUESTION 100

Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Select TWO.)

- A.Amazon CloudFront distributions
- B.Amazon Route 53
- C.Security Groups
- D.Subnets
- E.Elastic Load Balancing

Answer: CD

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 101

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.

Answer: C

Explanation:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### QUESTION 102

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

Answer: A

#### QUESTION 103

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

Answer: CE

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 104

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

Answer: AC

#### QUESTION 105

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.

Answer: D

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-leveraging-ec2-spot-instances/spot-instance-interruptions.html>

#### QUESTION 106

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)

Answer: B

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 107

Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

A.Enterprise

B.Business

C.Developer

D.Basic

Answer: A

Explanation:

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

#### QUESTION 108

Which AWS service can serve a static website?

- A.Amazon S3
- B.Amazon Route 53
- C.Amazon QuickSight
- D.AWS X-Ray

Answer: A

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 109

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.

Answer: C

#### QUESTION 110

What can AWS edge locations be used for? (Select 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

Answer: BD

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 111

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

Answer: C

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 112

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

Answer: B

Explanation:

[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

### QUESTION 113

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

Answer: C

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 114

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.

Answer: C

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 115

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

Answer: D

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 116

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

Answer: C

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

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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 117

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

Answer: C

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 118

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

Answer: B

#### QUESTION 119

What can AWS edge locations be used for? (Select 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

Answer: BD

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 120

What technology enables compute capacity to adjust as loads change?

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

Answer: D

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. 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 121

Which AWS services are defined as global instead of regional? (Select TWO.)

- A.Amazon Route 53
- B.Amazon EC2
- C.Amazon S3
- D.Amazon CloudFront
- E.Amazon DynamoDB

Answer: AD

Explanation:

<http://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/>

### QUESTION 122

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

Answer: A

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 123

Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Select 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

Answer: AC

Explanation:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

### QUESTION 124

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

Answer: C

### QUESTION 125

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

Answer: D

### QUESTION 126

The financial benefits of using AWS are: (Select 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.

Answer: AC

#### QUESTION 127

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

Answer: B

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.

Awareness&Training AWS trains AWS employees, but a customer must train their own employees.

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

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

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 128

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 Direct Connect

Answer: D

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 129

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

Answer: B

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 130

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

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

Answer: A

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 131

Which of the following are categories of AWS Trusted Advisor? (Select TWO.)

- A.Fault Tolerance

- B.Instance Usage
- C.Infrastructure
- D.Performance
- E.Storage Capacity

Answer: AD

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 132

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

Answer: B

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 133

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)

Answer: C

### QUESTION 134

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

Answer: D

Explanation:

You can use Cost explorer which is part of Cost and Usage report to forecast future costs of running an application.

Reference:

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<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

#### QUESTION 135

Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

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

Answer: B

Explanation:

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

#### QUESTION 136

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

Answer: B

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 is out of the control of the customer, AWS is the one responsible for it.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 137

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

Answer: B

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 138

Which of the following are benefits of the AWS Cloud? (Choose two.)

- A.Unlimited uptime
- B.Elasticity

- C.Agility
- D.Colocation
- E.Capital expenses

Answer: BC

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 139

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

Answer: B

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 140

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

Answer: D

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 141

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.

Answer: AB

Explanation:

[https://docs.awsstatic.com/whitepapers/compliance/AWS\\_Risk\\_and\\_Compliance\\_Whitepaper.pdf](https://docs.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf)

#### QUESTION 142

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

Answer: B

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 143

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

Answer: D

Explanation:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 144

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

Answer: CD

Explanation:

<https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

#### QUESTION 145

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.

Answer: BC

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 146

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.

Answer: AB

Explanation:

<https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

#### QUESTION 147

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.

Answer: A

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 148

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

Answer: BC

#### QUESTION 149

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.

Answer: D

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 150

What function do security groups serve related 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.

Answer: A

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 151

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

Answer: D

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 152

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

Answer: B

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 153

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

Answer: B

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 154

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

Answer: B

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 155

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

Answer: A

Explanation:

Cloudfront enables low-latency delivery to the end users by caching the frequently used data to the edge locations. Regarding DirectConnect- AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations.

#### QUESTION 156

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

Answer: C

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 157

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.

Answer: B

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 158

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

Answer: C

Explanation:

<https://aws.amazon.com/blogs/aws/cross-region-read-replicas-for-amazon-rds-for-mysql/>

#### QUESTION 159

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.

Answer: C

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 160

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.

Answer: BD

Explanation:

Tags are key-value pairs that allow you to organize your AWS resources into groups. You can use tags to:

Visualize information about tagged resources in one place, in conjunction with Resource Groups.

View billing information using Cost Explorer and the AWS Cost and Usage report.

Send notifications about spending limits using AWS Budgets.

Use logical groupings of your resources that make sense for your infrastructure or business. For example, you could organize your resources by:

Project

Cost center

Development environment

Application

Department

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/tags-billing-cost-center-project/>

#### QUESTION 161

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.

Answer: C

Explanation:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 162

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

Answer: B

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 163

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

Answer: D

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 164

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

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

Answer: CE

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 165

Which AWS hybrid storage service enables 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

Answer: C

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 166

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.

Answer: C

Explanation:

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

#### QUESTION 167

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.

Answer: B

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 168

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.

Answer: D

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 169

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.

Answer: C

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 170

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)

Answer: B

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 171

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.

Answer: C

#### QUESTION 172

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

Answer: BD

Explanation:

Cognito does not add additional layer of security. It is using SSO from facebook and AD etc. they both are additional secure layers for user access. D is generic password recommendation

### QUESTION 173

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

Answer: D

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 174

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

Answer: B

Explanation:

[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 175

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

Answer: A

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 176

Which is the MINIMUM AWS Support plan that provides designated Technical Account Managers?

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

Answer: A

Explanation:

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

#### QUESTION 177

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

Answer: B

Explanation:

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 178

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

Answer: B

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 179

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.

Answer: A

Explanation:

<https://data-flair.training/blogs/aws-advantages/>

#### QUESTION 180

Which of the following is an AWS-managed compute service?

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

Answer: C

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

#### QUESTION 181

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

Answer: D

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 182

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

Answer: A

Explanation:

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

#### QUESTION 183

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

Answer: A

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 184

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

Answer: D

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 185

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

Answer: C

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 186

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

Answer: D

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 187

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

Answer: B

Explanation:

TCO calculator compare the cost of running your applications in an on-premises or colocation environment to AWS.

Reference: <https://awstcoccalculator.com>

#### QUESTION 188

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

Answer: D

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 189

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

Answer: BE

Explanation:

[https://docs.awsstatic.com/whitepapers/aws\\_pricing\\_overview.pdf](https://docs.awsstatic.com/whitepapers/aws_pricing_overview.pdf)

### QUESTION 190

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

Answer: CE

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 191

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.

Answer: B

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 192

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

Answer: B

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 193

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

Answer: D

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 194

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)

Answer: D

Explanation:

<https://severalnines.com/news/aws-users-prefer-self-managed-databases>

#### QUESTION 195

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

Answer: B

Explanation:

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

#### QUESTION 196

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.

Answer: C

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 197

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.

Answer: A

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 198

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

Answer: D

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 199

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

Answer: D

Explanation:

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

#### QUESTION 200

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

Answer: AD

Explanation:

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

#### QUESTION 201

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

Answer: ACD

Explanation:

<https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

#### QUESTION 202

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.

Answer: B

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 203

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

Answer: A

Explanation:

<https://www.awstcoccalculator.com/Output/Load/f85bbf7e131446643911859504>

#### QUESTION 204

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

Answer: D

Explanation:

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

#### QUESTION 205

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

Answer: B

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 206

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

Answer: B

Explanation:

<https://www.amazonaws.cn/en/support/trustedadvisor/best-practices/#security>

#### QUESTION 207

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

Answer: B

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 208

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

Answer: C

Explanation:

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

#### QUESTION 209

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

Answer: B

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 210

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.

Answer: C

Explanation:

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.

#### QUESTION 211

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

Answer: D

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 212

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

Answer: AD

Explanation:

<https://aws.amazon.com/getting-started/tutorials/continuous-deployment-pipeline/>

#### QUESTION 213

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

Answer: C

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 214

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

Answer: AB

Explanation:

C is wrong under reliability. Manage documents in automation process and not document process

#### QUESTION 215

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.

Answer: AE

Explanation:

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

#### QUESTION 216

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

Answer: B

Explanation:

<https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

### QUESTION 217

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

Answer: D

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 218

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)

Answer: B

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 219

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

Answer: C

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 220

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.

Answer: AE

Explanation:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/>

#### QUESTION 221

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.

Answer: B

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 222

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

Answer: B

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 223

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

Answer: B

Explanation:

<https://aws.amazon.com/ec2/pricing/on-demand/> "Pricing is per instance-hour consumed for each instance, from the time an instance is launched until it is terminated or stopped. Each partial instance-hour consumed will be billed per-second for Linux Instances and as a full hour for all other instance types."

### QUESTION 224

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

Answer: AB

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

### QUESTION 225

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

Answer: B

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 226

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

Answer: BD

Explanation:

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

#### QUESTION 227

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

Answer: B

Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon

Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

Reference: <https://aws.amazon.com/directconnect/>

#### QUESTION 228

Which services use AWS edge locations? (Choose two.)

- A.Amazon CloudFront
- B.AWS Shield
- C.Amazon EC2
- D.Amazon RDS
- E.Amazon ElastiCache

Answer: AC

Explanation:<https://www.edureka.co/community/600/what-is-an-edge-location-in-aws>

#### QUESTION 229

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

Answer: B

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-choice-s-for-hybrid-cloud-connectivity-but-which-service-works-best-for-your-use-case/>

### QUESTION 230

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

Answer: D

Explanation:

<https://aws.amazon.com/tco-calculator/>

### QUESTION 231

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.

Answer: AB

Explanation:

<https://aws.amazon.com/partners/aws-marketplace/>

### QUESTION 232

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.

Answer: B

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 233

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

Answer: BE

Explanation:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

### QUESTION 234

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

Answer: D

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 235

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

Answer: B

#### QUESTION 236

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.

Answer: C

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 237

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

Answer: C

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 238

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

Answer: C

Explanation:

<https://wa.aws.amazon.com/wat.map.en.html>

#### QUESTION 239

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

Answer: D

Explanation:

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

#### QUESTION 240

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.

Answer: AC

#### QUESTION 241

What AWS service would be used to centrally manage AWS access policies across multiple accounts?

- A.AWS Service Catalog
- B.AWS Config
- C.AWS Trusted Advisor
- D.AWS Organizations

Answer: D

Explanation:

AWS Organizations helps you centrally govern your environment as you grow and scale your workloads on AWS. Whether you are a growing startup or a large enterprise, Organizations helps you to centrally manage billing; control access, compliance, and security; and share resources across your AWS accounts.

Reference: <https://aws.amazon.com/organizations/>

#### QUESTION 242

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.

Answer: C

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 243

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

Answer: B

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 244

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

Answer: B

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 245

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.

Answer: AC

#### QUESTION 246

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

Answer: B

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 247

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

Answer: C

Explanation:

[https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

#### QUESTION 248

When a company provisions web servers in multiple AWS Regions, what is being increased?

- A. Coupling
- B. Availability
- C. Security
- D. Durability

Answer: B

Explanation:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### QUESTION 249

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.

Answer: A

Explanation:

<https://www.10thmagnitude.com/opex-vs-capex-the-real-cloud-computing-cost-advantage/>

#### QUESTION 250

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

Answer: B

Explanation:

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

#### QUESTION 251

Which AWS service enables users to consolidate billing across multiple accounts?

- A. Amazon QuickSight
- B. AWS Organizations
- C. AWS Budgets
- D. Amazon Forecast

Answer: B

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 252

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

Answer: C

Explanation:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 253

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

Answer: D

Explanation:

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

#### QUESTION 254

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

Answer: BC

Explanation:

[https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)  
(5)

#### QUESTION 255

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

Answer: D

Explanation:

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

#### QUESTION 256

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.

Answer: B

Explanation:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### QUESTION 257

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.

Answer: B

Explanation:

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

#### QUESTION 258

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.

Answer: BD

Explanation:

<https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

#### QUESTION 259

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

Answer: D

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 260

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.

Answer: D

Explanation:

<https://asperbrothers.com/blog/infrastructure-as-code-aws/>

#### QUESTION 261

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

Answer: B

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 262

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

Answer: D

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 263

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.

Answer: A

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 264

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

Answer: A

Explanation:

<https://www.sisense.com/glossary/redshift-database/>

#### QUESTION 265

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.

Answer: A

Explanation:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-security-groups.html>

#### QUESTION 266

What are the benefits of developing and running a new application in the AWS Cloud compared to onpremises? (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.

Answer: CD

#### QUESTION 267

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

Answer: D

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 268

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.

Answer: B

Explanation:

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

### QUESTION 269

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

Answer: B

### QUESTION 270

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

Answer: D

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 offpremises services.

Reference: <https://aws.amazon.com/s3/storage-classes/>

### QUESTION 271

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.

Answer: BD

### QUESTION 272

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

Answer: B

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 273

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.

Answer: D

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 274

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.

Answer: C

Explanation:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

#### QUESTION 275

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

Answer: B

Explanation:

[https://wa.aws.amazon.com/wat.question.REL\\_7.en.html](https://wa.aws.amazon.com/wat.question.REL_7.en.html)

#### QUESTION 276

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an onpremises system.

Which AWS service can fulfill this requirement?

- A. AWS Direct Connect
- B. AWS VPN
- C. Amazon Connect
- D. AWS Data Pipeline

Answer: A

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 277

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.

Answer: C

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 278

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.

Answer: B

#### QUESTION 279

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

Answer: C

Explanation:

<https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html>

#### QUESTION 280

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.

Answer: AC

Explanation:

You are charged based on the number of requests for your functions and the duration, the time it takes for your code to execute

#### QUESTION 281

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.

Answer: BE

#### QUESTION 282

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

Answer: B

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 283

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.

Answer: C

Explanation:

<https://aws.amazon.com/pricing/cost-optimization/>

#### QUESTION 284

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.

Answer: BC

Explanation:

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

#### QUESTION 285

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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.

Answer: D

Explanation:

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

#### QUESTION 286

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

Answer: B

Explanation:

<https://docs.aws.amazon.com/config/latest/developerguide/view-manage-resource.html>

#### QUESTION 287

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

Answer: A

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 288

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

Answer: D

Explanation:

<https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

#### QUESTION 289

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

Answer: BC

Explanation:

<https://data-flair.training/blogs/aws-advantages/>

#### QUESTION 290

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.

Answer: BC

Explanation:

<https://aws.amazon.com/tco-calculator/>

#### QUESTION 291

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

Answer: B

Explanation:

<https://aws.amazon.com/tco-calculator/>

#### QUESTION 292

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

Answer: C

Explanation:

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

#### QUESTION 293

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 being used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

Answer: D

#### QUESTION 294

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.

Answer: A

Explanation:

<https://d1.awsstatic.com/whitepapers/Migration/aws-migration-whitepaper.pdf>

#### QUESTION 295

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

Answer: C

Explanation:

<https://aws.amazon.com/blogs/mt/automate-account-creation-and-resource-provisioning-using-awsservice-catalog-aws-organizations-and-aws-lambda/>

#### QUESTION 296

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

Answer: A

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 297

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

Answer: A

Explanation:

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

### QUESTION 298

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

Answer: A

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 299

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

Answer: C

Explanation:

[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

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### QUESTION 300

Why is AWS more economical than traditional data centers for applications with varying compute workloads?

- A. Amazon Elastic Compute Cloud (Amazon EC2) costs are billed on a monthly basis.
- B. Customers retain full administrative access to their Amazon EC2 instances.
- C. Amazon EC2 instances can be launched on-demand when needed.
- D. Customers can permanently run enough instances to handle peak workloads.

Answer: C

Explanation:

The ability to launch instances on-demand when needed allows customers launch and terminate instances in response to a varying workload. This is a more economical practice than purchasing enough onpremises servers to handle the peak load.

### QUESTION 301

Which AWS service would simplify migration of a database to AWS ?

- A .AWS Storage Gateway
- B .AWS Database Migration Service ( AWSDMS )
- C .Amazon Elastic Compute Cloud ( AmazonEC2 )
- D .Amazon AppStream 2.0

Answer :B

Explanation :

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

### QUESTION 302

Which AWS offering enables customers to find , buy ,and immediately start using software solutions in their AWS environment ?

- A.AWS Config
- B .AWS OpsWorks
- C .AWS SDK
- D .AWS Marketplace

Answer :D

Explanation :

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

### QUESTION 303

Which AWS networking service enables a company to create a virtual network within AWS ?

- A .AWS Config
- B .Amazon Route 53
- C .AWS Direct Connect
- D .Amazon Virtual Private Cloud ( AmazonVPC

Answer : D

#### QUESTION 304

Which of the following is AWS's responsibility under the AWS shared responsibility model ?

- A .Configuring third-party applications
- B .Maintaining physical hardware
- C .Securing application access and data
- D .Managing custom Amazon Machine Images (AMIS )

Answer : B

Explanation :

<https://aws.amazon.com/compliance/shared-responsibility-model>

#### QUESTION 305

Which component of AWS global infrastructure does Amazon CloudFront use to ensure

low-latency delivery ?

- A .AWS Regions
- B .AWS edge locations
- C .AWS Availability Zones

D .Amazon Virtual Private Cloud ( AmazonVPC .

Answer :B

Explanation

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

QUESTION 306

How would a system administrator add an additional layer of login security to a user's

AWS Management Console ?

A .Use AWS Cloud Directory

B .Audit AWS Identity and Access Management ( IAM)roles

C .Enable Multi-Factor Authentication

D .Enable AWS CloudTrail

Answer : C

Explanation :

<https://aws.amazon.com/iam/details/mfa/>

QUESTION 307

Which service can identify the user that made the call when an Amazon Elastic Compute Cloud ( AmazonEC2 )instance is terminated ?

A . Amazon CloudWatch

B .AWS CloudTrail

C .AWS X-Ray

D .AWS Identity and Access Management ( AWSIAM )

Answer : B

Explanation

#### QUESTION 308

Which service would you use to send alerts based on Amazon CloudWatch alarms ?

A .Amazon Simple Notification Service ( AmazonSNS )

B .AWS CloudTrail

C .AWS Trusted Advisor

D .Amazon Route 53

Answer : A

Explanation

<http://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/AlarmThatSendsEmail.html>

#### QUESTION 309

Where can a customer find information about prohibited actions on AWS infrastructure ?

A .AWS Trusted Advisor

B .AWS Identity and Access Management ( IAM )

C .AWS Billing Console

D .AWS Acceptable Use Policy

Answer : D

Explanation

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

### QUESTION 310

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 virtual servers with a simpler fixed-scale model

Answer : B

### 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

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

### QUESTION 311

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 ( AWSSMS )to move Amazon EC2 instances into a different Region
- E .Distributed resources across multiple AWS points of presence

Answer : AC

Explanation :

[https://d1.awsstatic.com/whitepapers/AWS\\_CloudBest%20Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_CloudBest%20Practices.pdf)

QUESTION 312

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

Answer : D

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 .

[https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-architectedFramework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-architectedFramework.pdf)

### QUESTION 313

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

Answer :AB

Explanation

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

### QUESTION 314

A company is migrating from on-premises data centers to the 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 Cloud

Answer : CD

Explanation

<https://aws.amazon.com/solutions/aws-landing-zone/>

#### QUESTION 315

How does the AWS Enterprise Support Concierge team help users ?

A .Supporting application development

B .Providing architecture guidance

C .Answering billing and account inquires

D .Answering questions regarding technical support cases

Answer :C

Explanation :

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

### QUESTION 316

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

Answer :A

### QUESTION 317

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

Answer : B

Explanation :

<https://aws.amazon.com/ec2/faqs/>

### QUESTION 318

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

Answer :C

Explanation

<https://aws.amazon.com/tco-calculator/>

QUESTION 319

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 off Reserved

Instance sharing from the payer level .

- D .Enable Reserved Instance sharing in the AWS Billing and Cost Management console

Answer :C

Explanation :

The capacity for a Reserved Instance applies only to the account the Reserved Instance was purchased on, regardless of whether Reserved Instance is turned on or off.

#### QUESTION 320

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 .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

Answer :B

Explanation

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

#### QUESTION 321

A company is planning to launch an ecommerce site in 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

Answer :BD

Explanation :

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

QUESTION 322

Which AWS service or resource is serverless ?

A .AWS Lambda

B .Amazon instances

C .Amazon Lightsail

D .Amazon ElastiCache

Answer :A

Explanation

<https://blogs.itemis.com/en/serverless-services-on-aws>

QUESTION 323

Which of the following are components of Amazon VPC ?( Choose two .)

A .Objects

B .Subnets

C .Buckets

D .Internet gateways

E .Access key

Answer :BD

Explanation :

https://subscription.packtpub.com/book/virtualizationandcloud/9781788293723/3/vpocomponents

#### QUESTION 324

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

Answer :B

Explanation :

utilization budgets Define a utilization threshold and receive alerts when your RI usage falls below that threshold .This lets you know if your RIs are unused or underutilized

#### QUESTION 325

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 ( AWSMFA )

D .Security groups

E .Password policies

Answer :CE

#### QUESTION 326

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

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

Answer :AC

Explanation

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

#### QUESTION 327

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

Answer :C

Explanation

<https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

QUESTION 328

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 issues caused by permissions settings on account resources

E .It provides proactive alerting whenever an Amazon EC2 instance has been compromised

Answer :BC

QUESTION 329

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

Answer :AC

Explanation :

<https://aws.amazon.com/compliance/data-center/controls/>

#### QUESTION 330

A user deploys an Amazon RDS DB instance in multiple Availability Zones .

This strategy involves which pillar of the Well-Architected Framework ?

A .Performance efficiency

B .Reliability

C .Cost optimization

D .Security

Answer :B

Explanation

<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 331

Which AWS services provide a user with connectivity between the Cloud and on-premises resources ?( Choose two .)

- A .AWS VPN
- B .Amazon Connect
- C .Amazon Cognito
- D .AWS Direct Connect
- E .AWS Managed Services

Answer :AD

#### QUESIIION 332

Which AWS service 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

Answer :A

Explanation

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html>

#### QUESTION 333

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

Answer :B

Explanation

<https://docs.aws.amazon.com/whitepapers//aws-overview/global-infrastructure.html>

QUESTION 334

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

Answer :D

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 .

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

#### QUESTION 335

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

Answer :A

Explanation

<https://aws.amazon.com/blogs/aws/category/auto-scaling/>

#### QUESTION 336

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

Answer :C

Explanation :

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

QUESTION 337

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

Answer :A

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

<https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rdsresponsibilities/>

#### QUESTION 338

A company wants to expand from one AWS Region into 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

Answer :C

Explanation

<https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html>

#### QUESTION 339

A user must meet compliance and software licensing requirements that state a workload

must be hosted on physical server .

Which Amazon EC2 instance pricing option will meet these requirements ?

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

D .Reserved Instances

Answer :A

Explanation :

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

QUESTION 340

Which AWS service will provide way to generate encryption keys that can be used to

encrypt data ?(Choosetwo .)

A .Amazon Macie

B .AWS Certificate Manager

C .AWS Key Management Service (AWSKMS )

D .AWS Secrets Manager

E .AWS CloudHSM

Answer :CE

Explanation

<https://docs.aws.amazon.com/crypto/latest/ug/aws-crypt-service-hsm.html>

<https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

QUESTION 341

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

Answer :A

QUESTION 342

What can assist evaluating an application for migration to the cloud ?( Choosetwo .)

A .AWS Trusted Advisor

B .AWS Professional Services

C .AWS Systems Manager

D .AWS Partner Network ( APN)

E .AWS Secrets Manager

Answer :BD

QUESTION 343

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 ( AWSKMS )

D .AWS Directory Service

Answer :B

Explanation

The AWS CloudHSM service helps you meet corporate ,contractual ,and regulatory

compliance requirements for data security by using dedicated Hardware Security Module

( HSM)instanceswithin the

AWS .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 .

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

#### QUESTION 344

Under the AWS shared responsibility model ,the customer manages which of the  
following ? ( Choosetwo .)

- 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

Answer :BE

Explanation :

<https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

#### QUESTION 345

Which AWS service is suitable for an event-driven workload ?

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

Answer :C

## QUESTION 346

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

Answer :B

Explanation

<https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>

## QUESTION 347

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 .Buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D .The source bucket owner must have the source and destination AWS Regions disabled for their account

Answer :C

Explanation

<https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

## QUESTION 348

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

Answer :D

Explanation

<https://aws.amazon.com/compliance/shared-responsibility-model/>

QUESTION 349

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

Answer :C

Explanation

<https://aws.amazon.com/devops/partner-solutions/>

QUESTION 350

Which features or services can be used to monitor costs and expenses for an

AWS

account ?( Choosetwo .)

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

Answer :AD

Explanation

[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 351

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

Answer :B

Explanation

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html>

QUESTION 352

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

Answer :C

Explanation :

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

QUESTION 353

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

Answer :A

Explanation

<https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-fromaws-console/>

### QUESTION 354

Which AWS service is managed NoSQL database ?

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

Answer :B

Explanation :

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

### QUESTION 355

Which AWS service should be used to create a billing alarm ?

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

Answer :C

Explanation

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/>

monitor estimated charges with cloudwatch .html

### QUESTION 356

A company is hosting a web application 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

Answer :C

Explanation :

<https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

QUESTION 357

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

Answer :A

Explanation

<https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/>

QUESTION 358

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

Answer :AD

Explanation

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

QUESTION 359

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

Answer :B

Explanation :

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

QUESTION 360

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

Answer :C

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

<https://aws.amazon.com/global-accelerator/?blogs-global->

```
accelerator.sortby=item.additionalFields .createdDate &blogs-global-acceleratorsort-order =desc&aws-global-accelerator  
wn .sort-byitem.additionalFields .postDateTime &aws-global-accelerator-  
wn.sort-order =de
```

### QUESTION 361

According to the AWS Well-Architected Framework ,what change management steps

should be taken to achieve reliability in the AWS Cloud ?( Choosetwo .)

- 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

Answer :AC

### QUESTION 362

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

Answer :A

Explanation

<https://aws.amazon.com/blogs//monitor-and-notify-on-aws-account-root-user-activity/>

QUESTION 363

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

Answer :C

Explanation

<https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>

QUESTION 364

Which AWS services can be used to move data from on-premises data centers to AWS ?

( Choosetwo .)

- A .AWS Snowball
- B .AWS Lambda
- C .AWS ElastiCache
- D .AWS Database Migration Service ( AWSDMS )
- E .Amazon API Gateway

Answer :AD

Explanation :

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

QUESTION 365

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

Answer :B

QUESTION 366

Under the AWS shared responsibility model .which of the following are customer responsibilities ?( Select 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

Answer :AC

Explanation :

<https://aws.amazon.com/compliance/shared-responsibility-model>

QUESTION 367

Which AWS services can be used as infrastructure automation tools ?( Select TWO .)

A AWS CloudFormation

B .AmazonCloudFront

C .AWSBatch

D .AWSOpsWorks

E .Amazon QuickSight

Answer :AD

Explanation :

<https://blog.newrelic.com/engineering/best-cloud-infrastructure-automation-tools/>

QUESTION 368

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

Answer :C

#### QUESTION 369

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

- A. AmazonCognito
- B .AWSOrganizations
- C .AWSShield
- D .AWSFirewall Manager

Answer :B

Explanation :

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

#### QUESTION 370

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 .

Answer :B

#### QUESTION 371

Which AWS services can be used to provide network connectivity between an on-plemises network and a VPC ?( SelectTWO .)

A .AmazonRoute 53

B .AWS Direct Connect

C .AWSData Pipeline

D .AWSVPN

E .AmazonConnect

Answer :BD

Explanation :

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

#### QUESTION 372

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

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

Answer :C

#### QUESTION 373

What is a characteristic Amazon S3 cross-region replication ?

- A .Both source and destination S3 buckets must have versioning disabled .
- B .The source and destination buckets cannot be in different AWS Regions .
- C .S3buckets 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 .

Answer :C

#### QUESTION 374

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

- 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 .

E .AWS manages cost planning for virtual servers .

Answer :AC

#### QUESTION 375

Which Amazon EC2 pricing model should be used to comply with per-core software

license requirements ?

A Dedicated Hosts

B .On-Demand Instances

C .SpotInstances

D .Reserved Instances

Answer :A

Explanation

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

#### QUESTION 376

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 .AWSRegions

C .AvailabilityZones

D .Edgelocations

Answer :B

Explanation :

<https://www.botmetric.com/blog/having-a-disaster-recovery-plan-is-pivotal-the-dos-and-donts-on-aws-cloud/>

QUESTION 377

A company wants to buy an AWS Support plan. The company wants a designated AWS

Technical Account Manager to proactively monitor its environment and assist with optimization

Which plan meets these requirements ?

A .DeveloperSupport

B .Basic Support

C .EnterpriseSupport

D .BusinessesSupport

Answer :C

QUESTION 378

A company wants to use Amazon Elastic Compute Cloud ( AmazonEC2 ) to deploy a

global commercial application. The deployment solution should be 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

Answer :D

QUESTION 379

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 ( Sao 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

Answer :B

QUESTION 380

Which of the following will enhance the security of access to the AWS Management

Console ?( Select TWO .)

- A .AWS Secrets Manager

B .AWS Certificate Manager

C .AWS MultiFactor Authentication ( AWSMFA )

D .Security groups

E .Password policies

Answer :CE

QUESTION 381

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

Answer :A

Explanation :

<https://aws.amazon.com/compliance/faq/>

QUESTION 382

Which AWS services or features help decrease network latency for globally dispersed

user base ?( SelectTWO )

A .Amazon VPC

B .Elastic Load Balancer

C .Amazon CloudFront

D .AWS Direct Connect

E .AWS Global Accelerator

Answer :CE

QUESTION 383

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 .A On-Demand Instances

B .Reserved Instances

C .Spot Instances

D .Dedicated Hosts

Answer :C

Explanation :

<https://aws.amazon.com/ec2/pricing/>

QUESTION 384

How can company separate costs for network traffic .AmazonEC2 .Amazon 53 .and other

AWS services by department ?

A .Add department-specific tags to each resource

B .Create a separate VPC for each department .

C .Create separate AWS account for each department .

D .Use AWS Organizations

Answer :A

QUESTION 385

Which AWS service will provide a way to generate encryption keys that can be

used to

encrypt data ?( SelectTWO .)

A .Amazon Macie

B .AWS Certificate Manager

C. AWS Key Management Service ( AWSKMS )

D .AWS Secrets Manager

E. AWS CloudHSM

Answer :CE

QUESTION 386

Which AWS service provides on-demand downloads of AWS and compliance

documentation ?

A .AWS Directory Service

B .AWS Artifact

C .AWS Trusted Advisor

D .Amazon Inspector

Answer :B

QUESTION 387

Which of the following acts as a virtual firewall at the Amazon EC2 instance level to traffic for one or more instances ?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists ( ACL)

Answer C

QUESTION 388

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 tag
- 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

Answer :B

Explanation :

<https://aws.amazon.com/tco-calculator/>

QUESTION 389

Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources ?(Select TWO )

- A. AWS VPN

B .Amazon Connect

C. Amazon Cognito

D .AWS Direct Connect

E .AWS Managed Services

Answer :AD

QUESTION 390

The AWS Cost Management tools give users the ability to do which of the following ?(SelectTWO )

A .Terminate all AWS resources automatically if budget thresholds are exceeded

B .Breakdown 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 \$ 3to a more cost-effective storage class

Answer :BC

QUESTION 391

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

Answer :B

Explanation

<https://docs.aws.amazon.com/awsaccountbiling/latest/aboutv2/consolidated-billing.html>

QUESTION 392

A company has deployed several relational databases on Amazon EC2 instances  
Every  
month ,the database software vendor releases new security patches that need  
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 aschedule

Answer :D

QUESTION 393

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

Answer :B

QUESTION 394

Which AWS service or feature allows a user to establish dedicated network connection

between a company's on-premises data center and the AWS Cloud ?

A .AWS Direct Connect

B .VPC peering

C .AWSVPN

D .Amazon Route 53

Answer : A

QUESTION 395

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

- A .Amazon Standard
- B .AmazonS3 Glacier Deep Archive
- C .Amazon One Zone-Infrequent Access
- D .AmazonS3 Glacier

Answer : C

#### QUESTION 396

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

Answer : B

Explanation

<https://aws.amazon.com/blogs//monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch>

#### QUESTION 397

Which tool can be used to monitor AWS service limits ?

- A.AWS Total Cost of Ownership ( TCO)Calculator
- B .AWSTrusted Advisor
- C .AWSPersonal Health Dashboard
- D .AWSCost and Usage report

Answer :B

## QUESTION 398

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

Answer : B

Explanation

<https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

## QUESTION 399

Which AWS service can MOST efficiently import exabytes of data to the AWS Cloud from an on-premises environment ?

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

Answer : A

## QUESTION 400

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

Answer : D

#### QUESTION 401

Which the following Amazon EC2 pricing models allows customers to use existing server-bound software licenses?

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

Answer : C

#### QUESTION 402

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

Answer : A

Explanation

<https://aws.amazon.com/about-aws/global-infrastructure/regions>

QUESTION 403

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

Answer : AC

Explanation :

<https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html>

QUESTION 404

What is the most efficient way 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

Answer : D

QUESTION 405

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

Answer : B

Explanation

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

QUESTION 406

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 )

Answer : B

#### QUESTION 407

A user needs to quickly deploy a non-relational database 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

Answer :B

Explanation

<https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SQLtoNoSQL.html>

#### QUESTION 408

Which of the following is fully managed graph database service on AWS ?

A Amazon Aurora

B .Amazon FSx

C .Amazon DynamoDB

D .Amazon Neptune

Answer : D

## QUESTION 409

Which AWS service helps to automate common administrative tasks and perform unplanned configuration changes at scale ?

- A .AWS Systems Manager
- B .AWS CloudTrail
- C .AWS CloudFormation
- D .AWS Config

Answer : A

## QUESTION 410

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

Answer : C

## QUESTION 411

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 .

Answer : B

Explanation

[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 412

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

Answer :B

Explanation :<https://aws.amazon.com/autoscaling/>

QUESTION 413

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

Answer : C

Explanation :Amazon VPC peering is used for connectivity between VPCs

QUESTION 414

Which tool used to forecast AWS spending ?

A .AWS Trusted Advisor

B .AWS Organizations

C .Cost Explorer

D .Amazon Inspector

Answer :C

Explanation

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

QUESTION 415

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 ( AmazonEFS )

D .Amazon Elastic Block Store ( AmazonEBS )

Answer :B

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 servers as quickly as possible .

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

#### QUESTION 416

Which of the following is a component of the Global Infrastructure ?

- A . Amazon Alexa
- B .AWS Regions
- C .Amazon Lightsail
- D .AWS Organizations

Answer : B

Explanation :<https://aws.amazon.com/about-aws/global-infrastructure/>

#### QUESTION 417

Which AWS service will help users determine if application running on an Amazon EC2

instance has sufficient CPU capacity ?

- A .Amazon CloudWatch

B .AWS Config

C .AWS CloudTrail

D .Amazon Inspector

Answer : A

Explanation :<https://aws.amazon.com/ec2/faqs/>

QUESTION 418

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 .

Answer : B

Explanation :

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

QUESTION 419

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

Answer :CE

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

QUESTION 420

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 of cloud architecture design ?

A. Scalability

B .Loose coupling

C .Automation

D .Automatic scaling

Answer :B

Explanation :[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_BestPractices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_BestPractices.pdf) ( 20)

QUESTION 421

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application AWS ?(Choose two .)

A .AWS WAF

B .AWS Trusted Advisor

C .AWS Direct Connect

D .AWS Organizations

E .Network ACLs

Answer : AE

Explanation :<https://aws.amazon.com/waf/>

<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

QUESTION 422

An application runs on multiple Amazon EC2 instances that access a shared system

simultaneously .Which AWS storage service should used ?

A Amazon EBS

B .Amazon EFS

C .Amazon S3

D .AWS Artifact

Answer : B

Explanation :<https://aws.amazon.com/efs/>

QUESTION 423

A web application 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 security group and a network access control list ( NACL)for EC2

Answer : CD

#### QUESTION 424

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 .

Answer :D

Explanation :<https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>

#### QUESTION 425

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

Answer : C

Explanation :

<https://read.acloud.guru/there-are-four-reasons-to-explain-how-using-aws-can-change-the-economic-model-of-the-it-services-850dccBea1aa?gi=3bcf6cd0e1e2>

QUESTION 426

A company needs 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 service to monitor all S3 uploads and remove any public uploads .

Answer : A

Explanation

<https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html>

QUESTION 427

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 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 .

Answer : A

#### QUESTION 428

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

Answer :B

Explanation :<https://aws.amazon.com/blogs/aws/estimate-your-c>

#### QUESTION 429

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

Answer : A

Explanation :<https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 430

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

Answer :AB

Explanation :<https://aws.amazon.com/autoscaling/faqs/>

#### QUESTION 431

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

Answer :BD

Explanation :<https://aws.amazon.com/global-accelerator/faqs/>

#### QUESTION 432

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

Answer :D

Explanation

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

QUESTION 433

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

Answer :B

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 ,whileonly paying for what you use .

#### QUESTION 434

Which method helps to optimize costs of users moving to the AWS Cloud ?

.Paying only for what used

B .Purchasing hardware before it is needed

C .Manually provisioning cloud resources

D .Purchasing for the maximum possible load

Answer :A

Explanation :<https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/>

#### QUESTION 435

Under the AWS shared responsibility model ,which of the following is a customer responsibility ?

A .Installing security patches for the Xen and KVM hypervisors

C. 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

Answer :C

Explanation :<https://aws.amazon.com/compliance/shared-responsibility-model/>

QUESTION 436

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

Answer :B

Explanation :<https://aws.amazon.com/compliance/shared-responsibility-model/>

QUESTION 437

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

Answer : C

Explanation :

[https://docs.aws.amazon.com/latest/UserGuide/console\\_controlling-access.html](https://docs.aws.amazon.com/latest/UserGuide/console_controlling-access.html)

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

QUESTION 438

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

Answer : B

Explanation

<https://aws.amazon.com/artifact/:text=AWS%20Artifact%20your%20go,reports>

% 20and%20select% 20online%20agreements.

QUESTION 439

Which AWS service can be used to turn text into life-like speech ?

A .Amazon Polly

B .Amazon

C .Amazon Rekognition

D .Amazon Lex

Answer :A

Explanation :

<https://aws.amazon.com/polly/#:-:text=Amazon%20Polly%20a%20service,synthesi>

ze %20natural%20sounding%20human%20speech.

QUESTION 440

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

Answer : B

QUESTION 441

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 bucket permissions .

Whether multi-factor authentication is enabled for the AWS account root user .

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

Answer :C

Explanation

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/# Security>

QUESTION 442

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

Answer :C

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 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 .

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

#### QUESTION 443

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

Answer :A

Explanation

[https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)(12)

QUESTION 444

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

Answer : DE

Explanation :<https://aws.amazon.com/organizations/>

QUESTION 445

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

Answer :C

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

QUESTION 446

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

Answer :C

QUESTION 447

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

Answer :D

QUESTION 448

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)

Answer :C

Explanation

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

QUESTION 449

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

Answer :B

QUESTION 450

A user would like 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 ( AWSKMS )
- D .AWS Certificate Manager

Answer :C

Explanation :

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/data-protection.html>

QUESTION 451

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

Answer :AD

Explanation

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

QUESTION 452

What is a benefit of consolidated billing for accounts ?

- A .Access to AWS Personal Health Dashboard

B .Combined usage volume discounts

C .Improved account security

D .Centralized AWS IAM

Answer :B

Explanation :<https://jayendrapatil.com/aws-consolidated-billing/>

QUESTION 453

Which AWS service will allow a user to set custom cost and usage limits ,and will alert

when the thresholds are exceeded ?

A .AWS Organizations

B .AWS Budgets

C .Cost Explorer

D .AWS Trusted Advisor

Answer :B

Explanation

<https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

QUESTION 454

Which AWS service provides the ability to detect inadvertent data leaks of personally

identifiable information ( PII)and user credential data ?

A .Amazon Guard Duty

B .Amazon Inspector

C .Amazon Macie

D .AWS Shield

Answer :C

Explanation :<https://aws.amazon.com/macie/>

QUESTION 455

A company has distributed its workload on both the 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

Answer :C

Explanation :<https://aws.amazon.com/hybrid/>

QUESTION 456

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 user

C .Grant permissions to users who are required to perform a given task only

D .Store AWS credentials within Amazon EC2 instances

Answer :C

Explanation :<https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/>

QUESTION 457

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

Answer :B

Explanation :Control Tower automates the process of setting up 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

<https://aws.amazon.com/blogs/aws/aws-control-tower-set-up-govern-a-multi-account-aws-environment>

QUESTION 458

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

Answer :A

Explanation: <https://docs.aws.amazon.com/waf/atest/developerguide/ddos-overview.html>

QUESTION 459

company's application has flexible start and end times. Which Amazon EC2 pricing

model be the MOST cost-effective?

A. On-Demand Instances

B. Spot Instances

C. Reserved Instances

D. Dedicated Hosts

Answer :B

Explanation : <https://aws.amazon.com/ec2/pricing/>

QUESTION 460

Under the AWS shared responsibility model ,what are the customer's  
(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

Answer : DE

#### QUESTION 461

Which AWS container service will help a user install , operate ,and scale the cluster  
management infrastructure ?

- A .Amazon Elastic Container Registry ( AmazonECR )
- B .AWS Elastic Beanstalk
- C .Amazon Elastic Container Service ( AmazonECS )
- D .Amazon Elastic Block Store (AmazonEBS )

Answer :C

#### QUESTION 462

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

Answer :B

Explanation:<https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transitway-networking-and-scaling-digital-course/>

QUESTION 463

Which of the following allows an application running on an Amazon EC2 instance to securely

write data to an Amazon bucket without using long term credentials ?

A .Amazon Cognito

B .AWS Shield

C .AWS IAM role

D .AWS IAM user access key

Answer :C

QUESTION 464

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

Answer :A

QUESTION 465

What is the purpose of having an internet gateway within 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 traffic
- D .load balance traffic from the Internet across Amazon instances

Answer :B

QUESTION 466

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 Cloud Front origins .

Answer :B

QUESTION 467

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

Answer :B

QUESTION 468

AWS Trusted Advisor provides recommendations on which of the following ?( Choose two .)

A .Cost optimization

B .Auditing

C .Serverless architecture

D .Performance

E .Scalability

Answer :AD

QUESTION 469

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 instance
- E .Generating access keys for IAM users

Answer : AC

#### QUESTION 470

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

Answer : D

#### QUESTION 471

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

Answer :B

#### QUESTION 472

Which AWS service can be used in the application deployment process ?

- A .AWS AppSync
- B .AWS Batch
- C .AWS CodePipeline
- D .AWS DataSync

Answer :C

#### QUESTION 473

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

Answer :AD

#### QUESTION 474

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

Answer :C

QUESTION 475

Which AWS service 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

Answer :D

QUESTION 476

Which AWS service can be used to track unauthorized calls ?

A .AWS Config

B .AWS CloudTrail

C .AWS Trusted Advisor

D .Amazon Inspector

Answer :B

QUESTION 477

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

Answer :B

QUESTION 478

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 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 the same Availability Zone

D .Launch the instances as EC2 Spot Instances in the same AWS Region ,but in different

Availability Zones .

Answer :A

QUESTION 479

A company must store critical business data in Amazon 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 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 bucket snapshots and copy that data to another AWS Region

Answer :B

QUESTION 480

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

Answer :A

QUESTION 481

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

Answer : B

#### QUESTION 482

A user needs to automatically discover „and protect sensitive data stored in Amazon S3

Which AWS service can meet these requirements ?

- A .Amazon Inspector
- B .Amazon Macie
- B. Amazon GuardDuty
- D .AWS Secrets Manager

Answer :B

#### QUESTION 483

Which components are required to build a successful site-to-site VPN connection on

AWS ?(Choose two .)

- A .gateway
- B .NAT gateway
- C .Customer gateway
- D .Transit gateway

E .Virtual private gateway

Answer :CD

QUESTION 484

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

Answer :C

QUESTION 485

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

Answer :D

QUESTION 486

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

Answer :C

QUESTION 487

Which AWS service offers persistent storage for file system ?

A .Amazon

B .Amazon EC2 instance store

C .Amazon Elastic Block Store ( AmazonEBS )

D .Amazon ElastiCache

Answer :C

QUESTION 488

Which of the following allows 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

Answer :A

QUESTION 489

Which AWS service allows users to download security and compliance reports

about the AWS

infrastructure on demand ?

A .Amazon Guard Duty

B .AWS Security Hub

C .AWS Artifact

D .AWS Shield

Answer :C

QUESTION 490

Which of the following AWS services are serverless ?( Choosetwo .)

A .AWS Lambda

B .Amazon Elasticsearch Service

C .AWS Elastic Beanstalk

D .Amazon DynamoDB

E .Amazon Redshift

Answer :AD

QUESTION 491

Which AWS managed services can be used to extend an on-premises data

center to the

network ?(Choose two .)

A AWS VPN

B .NAT gateway

C .AWS Direct Connect

D .Amazon Connect

E .Amazon Route 53

Answer :AC

#### QUESTION 492

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 .

Answer :C

#### QUESTION 493

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

Answer :D

#### QUESTION 494

During a compliance review ,one of the auditors requires a copy of the AWS 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 53

Answer :C

#### QUESTION 495

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 .

Answer :B

Explanation:<https://aws.amazon.com/blogs/startups/large-scale-disaster-recovery-using-aws-regions/>

QUESTION 496

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 \$ 3

Answer :A

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

QUESTION 497

Which AWS service can run managed PostgresQL database that provides online transaction processing ( OLTP)?

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

Answer :C

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

#### QUESTION 498

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

Answer :AB

#### QUESTION 499

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

Which element in the \$ 3bucket policy holds the user details that describe who needs access to the bucket ?

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

Answer :A

#### QUESTION 500

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

Answer :A

Explanation:<https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

QUESTION 501

A company is piloting new customer-facing application on Amazon Elastic Compute

( AmazonEC2 )for one month .

What pricing model is appropriate ?

A .Reserved Instances

B .Spot Instances

C .On-Demand Instances

D .Dedicated Hosts

Answer :C

Explanation :<https://aws.amazon.com/ec2/pricing/>

QUESTION 502

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

Answer :D

Explanation:<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

QUESTION 503

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

Answer :D

Explanation:<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

QUESTION 504

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

Answer :D

Explanation:<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

#### QUESTION 505

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

Answer :B

Explanation:<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

#### QUESTION 506

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

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

Answer :C

Explanation:<https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

architected-framework /

#### QUESTION 507

What is characteristic of Convertible Reserved Instances ( RIS)?

- A .Users can exchange Convertible for other Convertible from a different instance family
- B .Users can exchange Convertible for other Convertible RIs in different AWS Regions .
- C .Users can sell and buy Convertible on the AWS Marketplace .
- C. Users can shorten the term of their Convertible Ris by merging them with other Convertible

Answer :A

Explanation:<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.htm>

#### QUESTION 508

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

Answer :B

#### QUESTION 509

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 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 .

Answer :C

Explanation:<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

#### QUESTION 510

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

Answer :AD

Explanation:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

### QUESTION 511

What does the Amazon 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 ( AmazonEBS )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

Answer : C

Explanation :<https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

### QUESTION 512

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 DyamoDB
- B .Amazon Redshift
- C .Amazon Athena
- D .Amazon QuickSight

Answer :B

Explanation :<https://aws.amazon.com/redshift/faqs/>

### QUESTION 513

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

Answer :B

Explanation:<https://docs.aws.amazon.com/config/latest/developerguide/evaluating-config.html>

### QUESTION 514

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

Answer :B

Explanation :<https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

### QUESTION 515

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

Answer :B

A practitioner needs an Amazon EC2 instance to launch and run for 7 hours

without

interruptions .

QUESTION 516

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

Answer : A

Explanation :<https://aws.amazon.com/ec2/spot/details/>

QUESTION 517

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

Answer : CD

#### QUESTION 518

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 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 minimum length

Answer : AE

#### QUESTION 519

Which AWS storage service is designed to transfer petabytes of data in and out of the cloud ?

- A . AWS Storage Gateway
- B .Amazon Glacier Deep Archive
- C .Amazon Lightsail
- D .AWS Snowball

Answer : D

Explanation:<https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

#### QUESTION 520

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

Answer : B

Explanation :<https://aws.amazon.com/redshift/>

#### QUESTION 521

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

Answer :B

#### QUESTION 522

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

Answer :AC

Explanation :<https://awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>

QUESTION 523

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

Answer :B

Explanation :<https://aws.amazon.com/connect/customers/>

QUESTION 524

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

Answer :B

Explanation :<https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

QUESTION 525

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

Answer :D

QUESTION 526

Which pricing model would result in maximum Amazon Elastic Compute Cloud ( AmazonEC2 )

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

Answer :C

Explanation:<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

## QUESTION 527

company has a MySQL database running on a single Amazon EC2 instance .The company now requires higher availability in the event of 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

Answer :C

Explanation:

[https:/](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.htm)

[/docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ .htm](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.htm)

## QUESTION 528

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 Security Hub managed insight

Answer :C

QUESTION 529

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

Answer :A

QUESTION 530

Which of the following tasks is required to deploy a PCI-compliant workload on AWS ?

- A .Use any service and implement controls at the application layer
- B .Use an service that is in-scope for 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 compliance and apply controls at the application layer

Answer :D

Explanation :<https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>

### QUESTION 531

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 ( AmazonSNS )

C .Amazon Kinesis Data Streams

D .Amazon Simple Queue Service ( Amazon)

Answer :D

Explanation :<https://aws.amazon.com/sqs/>

### QUESTION 532

Any Company recently purchased Example Corp .Both companies use resources ,and

Any Company wants a single aggregated bill .Which option allows Any Company to receive a single bill ?

A. Example Corp .must submit a request its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing .

- B .Any Company 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 Any Company's AWS Organizations master account to Example Corp .
- D .Migrate the Example Corp .VPCs ,Amazon EC2 instances ,and other resources into the Any Company AWS account .

Answer :C

Explanation:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbillingaboutv2.pdf>

#### QUESTION 533

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 : B

Explanation:<https://aws.amazon.com/getting-started/hands-on/control-your-aws-costs/>

costs-free-tier-budgets /

#### QUESTION 534

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

Answer :B

Explanation :<https://aws.amazon.com/elasticbeanstalk/>

#### QUESTION 535

Which AWS Trusted Advisor check is available to all users ?

- A .Core checks
- B .All checks
- C .Cost optimization checks
- D .Fault tolerance checks

Answer : A

Explanation :<https://www.amazonaws.cn/en/support/trustedadvisor/faq/#checks>

#### QUESTION 536

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

Answer : AC

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

QUESTION 537

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

Answer : D

Explanation :<https://aws.amazon.com/artifact>

QUESTION 538

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 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 .

Answer :BE

#### QUESTION 539

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

Answer : A

Explanation :<https://aws.amazon.com/config/>

#### QUESTION 540

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

Answer : AD

Explanation:<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html>

#### QUESTION 541

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

Answer : D

Explanation:<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

#### QUESTION 542

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

Answer : A

Explanation :<https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>

QUESTION 543

Which of the following is the customer's responsibility when using Amazon RDS ?

A .Patching the operating system 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

Answer : B

Explanation:

[https:/](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html)

[/docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html)

QUESTION 544

What is the customer's responsibility when using AWS Lambda ?

A .Operating system configuration

B .Application management

C .Platform management

D .Code encryption

Answer :D

Explanation :<https://aws.amazon.com/lambda/security-overview-of-aws-lambda/>

QUESTION 545

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

Answer :A

Explanation :<https://aws.amazon.com/aws-cost-management/aws-budgets/>

QUESTION 546

Which AWS service provides the ability to host a database in the AWS Cloud ?

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

Answer :B

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

QUESTION 547

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

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

Answer :D

Explanation :<https://aws.amazon.com/ec2/spot/>

QUESTION 548

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

Answer :C

Explanation :<https://aws.amazon.com/directconnect/partners/>

QUESTION 549

Which AWS services offer compute capabilities ?( Choose two .)

- A Amazon EC2
- B .Amazon S3

C .Amazon Elastic Block Store ( AmazonEBS )

D .Amazon Cognito

E .AWS Lambda

Answer :AE

Explanation:<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

QUESTION 550

Which AWS service can be used to privately store and manage versions of source code ?

A .AWS Code Build

B .AWS CodeCommit

.AWS CodePipeline

D .AWS CodeStar

Answer :B

Explanation:

<https://docs.aws.amazon.com /codecommit/latest/userguide/welcome.html>

QUESTION 551

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

A .AWS Secrets Manager

B .Amazon Cognito

C .Amazon Macie

D .AWS Trusted Advisor

Answer :D

Explanation:<https://www.coalfire.com/the-coalfire-blog/march-2019/aws-trusted-advisor-for-security-compliance>

QUESTION 552

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

Answer :C

Explanation:[https://d36cz9buwru1tt.cloudfront.net/AWS\\_BuildingFaultTolerantApplications.pdf](https://d36cz9buwru1tt.cloudfront.net/AWS_BuildingFaultTolerantApplications.pdf) ( 3)

QUESTION 553

Which AWS service feature is used to send both text and email messages from distributed applications ?

A .Amazon Simple Notification Service ( AmazonSNS )

B .Amazon Simple Email Service ( AmazonSES )

C .Amazon CloudWatch alerts

D .Amazon Simple Queue Service ( Amazon )

Answer :A

Explanation :<https://aws.amazon.com/sns/faqs/>

QUESTION 554

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

Answer :CE

Explanation :<https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

QUESTION 555

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

Answer :BD

Explanation :

<https://aws.amazon.com/cloudfront/faqs/cloudPas>

QUESTION 556

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 .

Answer :D

Explanation:<https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

QUESTION 557

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

Answer :B

Explanation :<https://aws.amazon.com/artifact/>

#### QUESTION 558

company has an Aws-hosted website located behind an Application Load Balancer .The

company wants to safeguard the website from SQL injection or crosssite scripting .Which AWS service should the company use ?

A .Amazon Guard Duty

B .AWS WAF

C .AWS Trusted Advisor

D .Amazon Inspector

Answer :B

#### QUESTION 559

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 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 .

Answer :A

Explanation:<https://www.betsol.com/blog/how-to-make-high-availability-web->

applications-on-amazon-web-services

#### QUESTION 560

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

Answer :C

Explanation :<https://aws.amazon.com/choosing-a-cloud-platform/>

#### QUESTION 561

An external auditor has requested that a company provide 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 .

Answer :C

Explanation:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentialsgetting-report.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentialsgetting-report.html)

html

QUESTION 562

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

Answer :AC

Explanation:

<https://docs.aws.amazon.com/awssupport/latest/aboutv2/consolidated-billing.html>

html

QUESTION 563

A company is expecting a short-term spike in 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

Answer : A

Explanation :<https://aws.amazon.com/ec2/faqs/>

QUESTION 564

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

Answer :C

Explanation :<https://aws.amazon.com/config/>

QUESTION 565

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 \$ 3and enable \$ 3cross-region replication .
- C .Implement a VPN across multiple AWS Regions
- D .Deliver the content through AWS PrivateLink .

Answer :A

Explanation:<https://aws.amazon.com/blogs/industries/how-to-build-a-global-scalable-low-latency-and-secure-machine-learning-medical-imaging-analysis-platform-on-aws/>

#### QUESTION 566

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 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 .

Answer : D

Explanation:<https://kirkpatrickprice.com/blog/best-practices-for-privilege-management-in-aws/>

#### 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 scale

Answer :D

Explanation:<https://innovationtactics.com/amazon-business-model-amazon-web-services/>

QUESTION 568

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

Answer :C

Explanation:<https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws - network-infrastructure.pdf> ( 9)

QUESTION 569

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

Answer :B

#### QUESTION 570

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

Answer :C

Explanation:<https://docs.aws.amazon.com/waf/latest/developerguide/classic-web-acl-sql-conditions.html>

#### QUESTION 571

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

Answer :C

Explanation:<https://aws.amazon.com/about-aws/whats-new/2013/02//announcing-dns-failover-for-route-53/>

QUESTION 572

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

Answer :CE

QUESTION 573

According to security best practices ,how should an Amazon EC2 instance be given access to an Amazon 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 53 bucket policy so that any service can upload it at any time .

Answer :C

QUESTION 574

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 license .

Answer :A

Explanation:[https://www.ibexlabs.com/improve-operational-efficiency-via-digital-transformation- on-aws/](https://www.ibexlabs.com/improve-operational-efficiency-via-digital-transformation-on-aws/)

QUESTION 575

Which AWS service automatically handles application health monitoring ?

A .Amazon API Gateway

B .AWS Elastic Beanstalk

C .AWS Lambda

D .AWS Config

Answer :B

Explanation :<https://aws.amazon.com/elasticbeanstalk/>

QUESTION 576

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

Answer : A

QUESTION 577

A company needs to track the activity in its AWS accounts ,and needs to know when an 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

Answer :C

Explanation :<https://aws.amazon.com/cloudtrail/>

QUESTION 578

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

Answer :AD

QUESTION 579

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 ( AmazonVPC )flow logs

C .Network ACLs

D .Amazon CloudWatch

E .AWS CloudTrail

Answer :AC

Explanation:<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips>

QUESTION 580

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 Transfer Acceleration

D .Amazon Connect

Answer :A

Explanation:<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>

QUESTION 581

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

A .Resource controls

B .Cost allocation

C .Architecture optimization

D .Tagging enforcement

Answer :C

Explanation:<https://d1.awsstatic.com/whitepapers/architecture/AWS-Cost-Optimization-Pillar.pdf>

QUESTION 582

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

Answer :C

Explanation:<https://aws.amazon.com/getting-started/hands-on/deliver-content-faster/>

QUESTION 583

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

A. Keep the root user password with the security team .

B .Enable multi-factor authentication ( MFA)for the root user .

C .Create an access key for the root user

D .Keep the root user password consistent for compliance purposes .

Answer :B

Explanation :<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

QUESTION 584

A company wants to securely access an Amazon \$ 3bucket 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

Answer :C

Explanation:<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-instance-access-s3-bucket/>

QUESTION 585

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

Answer :C

Explanation:<https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

QUESTION 586

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

Answer :C

Explanation :<https://aws.amazon.com/premiumsupport/technology/personal/>

health-dashboard/

#### QUESTION 587

A bank needs to store recordings of calls made to its contact center for 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 Glacier
- C .Amazon Connect
- D .Amazon ElastiCache

Answer :B

Explanation:<https://docs.aws.amazon.com/connect/latest/adminguide/set-up-recordings.html>

#### QUESTION 588

A media company wants to distribute video content to millions of users worldwide over the internet .The company wants to use the 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

Answer :A

Explanation :<https://www.inqdo.com/aws-explained-global-infrastructure/?langen>

QUESTION 589

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

Answer : C

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

## QUESTION 590

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

Answer: D

## QUESTION 591

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.

Answer: AD

## QUESTION 592

which AWS tools or services can be used to list all aws lambda functions running in an account?

- A. AWS CLI
- B. AWS CloudFormation
- C. AWS SDKs
- D. AWS CloudTrail
- E. Amazon Cloud Directory

Answer: AC

#### QUESTION 593

Which management service can be used to set alarms for AWS resources?

- A. Amazon CloudWatch
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon Simple Email Service (Amazon SES)
- D. AWS CloudTrail

Answer: A

#### QUESTION 594

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

- A. Enable AWS Multi-Factor Authentication (AWS MFA) for users.
- B. Enable access key sharing among users.
- C. Use the inline policies instead of user managed policies.

D. Configure strong password policies for users.

E. Avoid rotating credentials.

Answer: AD

#### QUESTION 595

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

Answer: B

Explanation:Basic Support is included for all AWS customers and includes:-

Customer Service and Communities 24x7 access to customer service,

documentation, whitepapers, and support

#### QUESTION 596

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

Answer: C

#### QUESTION 597

Which actions support the reliability pillar of the AWS Architected Framework?

(Select TWO.)

- A. Enforce higher security specifically in regard to designed for failure.
- B. Ensure that backend components include multiple Availability Zone deployments.
- c. Avoid the use of automatic scaling to simplify the cloud architecture.
- D. Enable object versioning within Amazon S3 and replicating data to another AWS Region
- E. Include an Application Load Balancer to distribute traffic to multiple Amazon EC2 instance in separate Availability Zones

Answer: BE

#### QUESTION 598

Which AWS service securely delivers data, videos, applications, and APIs to users globally with low latency and high transfer speeds?

- A. AWS CloudFormation
- B. Amazon CloudFront
- c. Amazon Pinpoint

D. Amazon Redshift

Answer: B

#### QUESTION 599

A cloud practitioner launched a blog hosted on AWS and needs to register a domain name for the blog. Which AWS service will meet this requirement?

- A. Amazon Connect
- B. Amazon Route 53
- C. Amazon CloudFront
- D. AWS Global Accelerator

Answer: B

#### QUESTION 600

An Availability Zone consists of:

- A. one or more data centers in a single location.
- B. two or more data centers in multiple locations.
- C. one or more physical hosts in a single data center.
- D. two or more physical hosts in multiple data centers.

Answer: A

#### QUESTION 601

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.

Answer: B

#### QUESTION 602

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

Answer: AD

#### QUESTION 603

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

Answer: A

#### QUESTION 604

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

Answer: B

#### QUESTION 605

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

A. Real-time vulnerability scans from Amazon Kinesis.

B. AWS security solutions in the AWS Marketplace.

C. Open-source penetration testing results available in Amazon Cognito.

D. AWS whitepapers related to security best practices.

E. Security analyses of README.md files within application repositories stored in AWS Code Commit.

Answer: BD

## QUESTION 606

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

Answer: B

## QUESTION 607

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.

Answer:A

Explanation:

<https://aws.amazon.com/blogs/apn/migrating-applications-from-monolithic-to-microservice-on-aws/>

### QUESTION 608

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

- A. The physical security of AWS facilities.
- B. Encrypting customer data.
- C. Patching and updating the hypervisor.
- D. Patching operating systems on Amazon EC2.
- E. Defining network firewalls inside the VPC.

Answer: AC

### QUESTION 609

Which feature of the AWS Cloud can help minimize application downtime?

- A. Global reach
- B. High availability
- C. Elasticity
- D. Agility

Answer: B

### QUESTION 610

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

Answer: B

QUESTION 611 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

Answer: A

## QUESTION 612

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

Answer: A

## QUESTION 613

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 lagging
- B. AWS Concierge Support team
- c. AWS Abuse team
- D. AWS Support

Answer: B

#### QUESTION 614

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

Answer: C

#### QUESTION 615 In which of the following is Amazon CloudFront content cached?

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

Answer: D

#### QUESTION 616

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

Answer: D

#### QUESTION 617

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

Answer: B

Explanation: <https://aws.amazon.com/cloudtrail/>

#### QUESTION 618

What can a cloud practitioner use to retrieve AWS security and compliance documents and submit them as evidence to an auditor or regulator?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS Artifact
- D. Amazon Inspector

Answer: C

#### QUESTION 619

Which AWS service will help a company identify the user who deleted an AmazonEC2 instance yesterday?

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

Answer: C

Explanation: <https://aws.amazon.com/cloudtrail/>

#### QUESTION 620

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 transport time?

- A. Amazon S3 Transfer Accelerator
- B. AWS Snowball
- C. AWS Storage Gateway
- D. AWS DataSync

Answer: B

## QUESTION 621

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

Answer: B

## QUESTION 622

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)

Answer: B

### QUESTION 623

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

Answer: B

### QUESTION 624

According to the AWS shared responsibility model, which of the following is the customer responsible for if they are using a managed service such as Amazon Relational Database Service (Amazon RDS)? (Select TWO.)

- A. Operating system patching
- B. Setting up and managing network controls
- c. Managing platform-level identity and access management (IAM)
- D. Physical security of the data center
- E. Environmental controls

Answer: BC

### QUESTION 625

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

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

Answer: B

#### QUESTION 626

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 to each department

Answer: A

#### QUESTION 627

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

Answer: C

#### QUESTION 628

A company is designing a new stateful application to run on AWS. Which design patterns will help reduce risk? (Select TWO.)

- A. Consume compute resources using Amazon EC2 Spot instance types.
- B. Use Amazon S3 with a bucket policy that ensures the least restrictive access to the data.
- C. Separate the database tier from the application tier using Amazon RDS.
- D. Consolidate application resources into one or two large instance types to minimize the number of components to be managed.
- E. Build a micro services- based architecture to break out application services into containers for the application tier.

Answer: DE

#### QUESTION 629

Which of the following is Amazon Aurora compatible with? (Select TWO.)

- A. MySQL
- B. Microsoft SOL Server
- C. Oracle
- D. PostgreSQL
- E. MahaDB

Answer: AD

#### QUESTION 630

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

Answer: B

#### QUESTION 631

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. Internal gateway

Answer: A

#### QUESTION 632

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

Answer: B

#### QUESTION 633

What type of database is Amazon DynamoDB?

- A. In-memory
- B. Relational
- C. Key-value
- D. Graph

Answer: C

#### QUESTION 634

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

Answer: C

#### QUESTION 635

Which are customer responsibilities when using Amazon EC2? (Select 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

Answer: BC

#### QUESTION 636

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

Answer: A

### QUESTION 637

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

Answer: C

Explanation:

<https://aws.amazon.com/blogs/devops/aws-config-checking-for-compliance-with-new-managed-rule-options/>

### QUESTION 638

Which AWS service or feature can be used to allow users access to compliance reports as self service downloads?

- A. AWS Service Catalog
- B. AWS Security Hub
- C. AWS Artifact

D. AWS Support Center

Answer: C

QUESTION 639

An external auditor needs to verify the compliance and security of the AWS datacenter facilities where a company's data is stored. How should this request be addressed?

- A. Create a support case using the AWS account root user credentials requesting that a concierge accompany the auditor to the facility.
- B. Contact an AWS technical account manager and request access to the next scheduled facility tour.
- C. Access the AWS Artifact portal and download the required reports to provide to the auditor.
- D. Access the AWS Artifact portal and create an access URL for the auditor to download the required reports,

Answer: A

QUESTION 640

A user needs to demonstrate which AWS services are compliant with the Payment Card Industry Data Security Standard (PCI DSS). Which AWS resource can be used to meet this requirement?

- A. AWS Artifact
- B. AWS Certificate Manager
- C. AWS Systems Manager
- D. AWS Secrets Manager

Answer: B

#### QUESTION 641

A user wants to securely automate the management and rotation of credentials that are shared between applications, while spending the least amount of time on managing tasks. Which AWS service or feature can be used to accomplish this?

- A. AWS CloudHSM
- B. AWS Key Management Service (AWS KMS)
- C. AWS Secret Manager
- D. Server-side encryption

Answer: C

#### QUESTION 642

A company is using Amazon Elastic Container Service (Amazon ECS) for a development environment. AWS is responsible for which Amazon ECS components? (Select TWO.)

- A. Network rules

- B. IAM
- C. Host platform
- D. Physical infrastructure
- E. Guest operating system

Answer: CD

#### QUESTION 643

A company needs a data store for highly transactional workloads. Which AWS service would meet this requirement?

- A. Amazon RDS
- B: Amazon Redshift
- C. Amazon S3
- D. Amazon S3 Glacier

Answer: A

#### QUESTION 644

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

Answer: D

#### QUESTION 645

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

Answer: D

#### QUESTION 646

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

Answer: A

#### QUESTION 647

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

Answer: B

QUESTION 648

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

Answer: D

QUESTION 649

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.

Answer: C

#### QUESTION 650

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

Answer: C

#### QUESTION 651

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

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

Answer: C

### QUESTION 652

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

Answer: D

### QUESTION 653

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)

Answer: D

### QUESTION 654

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

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

Answer: C

#### QUESTION 655

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

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

Answer: D

#### QUESTION 656

A company would like to host 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

Answer: B

#### QUESTION 657

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. AWSWAF
- C. AWS Shield
- D. Amazon Inspector

Answer: A

#### QUESTION 658

Which AWS service will track user activity on AWS?

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

Answer: C

#### QUESTION 659

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

Answer: B

#### QUESTION 660

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS Cloud Formation
- C. AWS Batch
- D. AWS Config

Answer: B

#### QUESTION 661

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

Answer: A

#### QUESTION 662

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 n time.
- E. All new users are automatically added to a default group.

Answer: BE

#### QUESTION 663

Which AWS tool gives users the ability to plan their service usage, 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

Answer: B

#### QUESTION 664

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

Answer: D

#### QUESTION 665

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

Answer: A

## QUESTION 666

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

Answer: AD

## QUESTION 667

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 (\$CPs) for centralized service management

Answer: B

## QUESTION 668

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

Answer: C

## QUESTION 669

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

Answer: A

Explanation: You can run Amazon EC2 compute instances hosted on a Snowball Edge with the sbe1, sbe-c, and sbe -g instance

typeshttps://docs.aws.amazon.com/zh\_cn/snowball/latest/developer guide/usin  
g ec2.html

#### QUESTION 670

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

Answer: A

#### QUESTION 671

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 requirements

- 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.

Answer: D

#### QUESTION 672

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

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

Answer: A

#### QUESTION 673

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

Answer: C

Explanation:

[https://docs.aws.amazon.com/AmazonTestUserGuide/tutorial\\_cross-account-with-roles.html](https://docs.aws.amazon.com/AmazonTestUserGuide/tutorial_cross-account-with-roles.html)

#### QUESTION 674

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 the requirement?

- A. AWS Compute Optimizer
- B. AWS Pricing Calculator
- C. AWS Trusted Advisor
- D. Cost Explorer rightsizing recommendations

Answer: B

#### QUESTION 675

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

Answer: CD

#### QUESTION 676

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)

Answer: B

#### QUESTION 677

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)

Answer: A

#### QUESTION 678

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

Answer: CE

#### QUESTION 679

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

Answer: B

#### QUESTION 680

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.

Answer: A

#### QUESTION 681

Which security practices are the customer's responsibility under the AWS shared responsibility model? (Select TWO.)

- A. Rotation of IAM access keys
- B. Patching of Amazon RDS instances
- C. Physical access to a data center
- D. Encryption of Amazon Elastic Block Store (Amazon EBS) volumes
- E. Decommissioning of storage devices

Answer: AD

Explanation: Use Amazon EBS encryption as a straight-forward encryption solution for your EBS resources associated with your EC2 instances. With Amazon EBS encryption, you aren't required to build, maintain, and secure your own key management infrastructure. Amazon EBS encryption uses AWS Key Management Service (AWS KMS) customer master keys (CMK) when creating encrypted volumes and snapshots.

#### QUESTION 682

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

Answer: D

#### QUESTION 683

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 model
- D. Network port utilization

Answer: B

#### QUESTION 684

A company's procurement department wants volume discounts on AWS services for the company, but numerous departments have separate AWS accounts. 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

Answer: D

Explanation: [ts://docs.aws.amazon.com/z cn/awsaccountbilling/latest/aboutv2/billing- what-is.html](https://docs.aws.amazon.com/zcn/awsaccountbilling/latest/aboutv2/billing-what-is.html)

#### QUESTION 685

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

Answer: AD

#### QUESTION 686

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.

Answer: C

#### QUESTION 687

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

Answer: A

Explanation:

[https://aws.amazon.com/connect/atest/adminguide/contact\\_center-phone\\_numberhtml](https://aws.amazon.com/connect/atest/adminguide/contact_center-phone_numberhtml)

## QUESTION 688

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

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

Answer: B

Explanation: <https://loudacademy.com/blog/aws-global-infrastructure/>

## QUESTION 689

Which Amazon EC2 pricing model provides the MOST cost savings for analysis 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

Answer: D

Explanation: [https://docs.aws.amazon.com/zh\\_tw/whitepapers/latest/cost-optimization-reservation-models/standard-vs.-convertible-offering-classes](https://docs.aws.amazon.com/zh_tw/whitepapers/latest/cost-optimization-reservation-models/standard-vs.-convertible-offering-classes)

### QUESTION 690

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

Answer: B

### QUESTION 691

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

Answer: D

### QUESTION 692

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)

Answer: B

#### QUESTION 693

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

Answer: B

#### QUESTION 694

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 time ?

- A. Amazon DynamoDB Accelerator (DAX)

- B. Amazon ElastiCache
- C. Elastic Load Balancing
- D. AWS Global Accelerator

Answer: D

#### QUESTION 695

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

Answer: B

#### QUESTION 696

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

Answer: B

#### QUESTION 697

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

Answer: C

#### QUESTION 698

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

Answer: A

## QUESTION 699

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
- B. Amazon Elastic Compute Cloud (Amazon EC2) key pairs
- D. AWS Identity and Access Management (IAM) user name and password

Answer :A

Explanation: [https://aws.amazon.com/cilatetuseid/li-oigore\\_quikstar.html](https://aws.amazon.com/cilatetuseid/li-oigore_quikstar.html)

## QUESTION 700

A user needs to determine whether an Amazon EC2 instance's security groups were modified in the last month. How can the user see if a change was made?

- A. Use Amazon EC2 to see if the security group was changed,
- B. Use AWS Identity and Access Management (IAM) to see which user or role changed the security group.
- C. Use AWS CloudTrail to see if the security group was changed.
- D. Use Amazon CloudWatch to see if the security group was changed.

Answer: B

## QUESTION 701

A company is building distributed, loosely coupled applications. The company needs to publish messages from application and immediately. Which AWS service can the company use to meet these requirements?

- A. Amazon Simple Queue Service (Amazon SQs)
- B. Amazon Simple Notification Service (Amazon SNS)
- C. AmazonS3
- D. Amazon Simple Email Service (Amazon SES)

Answer: A

## QUESTION 702

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

Answer: C

Explanation: <https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome>

.html

### QUESTION 703

An administrator observed that multiple AWS resources were deleted yesterday.

Which AWS service will help identify the cause and determine which user deleted the resources?

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

Answer: C

### QUESTION 704

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

Answer: D

Explanation: <http://amazon.com/blog/aw/catgryaow-sraremet-console/>

#### QUESTION 705

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 the public internet
- C. Use VPC peering to create a connection
- D. Use AWS Direct Connect

Answer: D

#### QUESTION 706

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 usage and budget creation

Answer: AC

Explanation: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing>

#### QUESTION 707

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

Answer: BE

#### QUESTION 708

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

Answer: D

QUESTION 709

Which AWS services after compute capabilities? (select Two)

A. Amazon EC2

B. Amazon S3

C. Amazon Elastic Block Store (Amazon EBS)

D. Amazon Cognito

E. AWS lambda

Answer: AE

QUESTION 710

A retail company has recently migrated its website to AWS. The company wants to ensure that it is protected from SQL injection attacks. The website uses an Application Load Balancer to distribute traffic to multiple Amazon EC2 instances. Which AWS service or feature can be used to create a custom rule that blocks SQL injection attacks?

A. Security groups

B. AWS WAF

C. Network ACLS

#### D. AWS Shield

Answer: D

#### QUESTION 711

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)

Answer: D

#### QUESTION 712

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

Answer: D

#### QUESTION 713

Any Company recently purchased Example Corp. Both companies use AWS resources, and Any Company wants a single aggregated bill. Which option allows Any Company 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. Any Company 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 Any Company's AWS Organization master account to Example Corp
- D. Migrate the Example Corp VPCs, Amazon EC2 instances, and other resources into the Any Company AWS account

Answer: C

#### QUESTION 714

Which AWS service can be used to turn text into lite -like speech?

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

Answer: A

#### QUESTION 715

A user is building a simple online calculator and wants to use AWS compute as cost-effectively as possible. The calculator must be highly available for even a small number of users. Where should the code for calculations be hosted?

- A. On an Amazon EC2 Memory Optimized Reserved Instance
- B. On an Amazon EC2 Compute Optimized1 Reserved Instance
- C. On an Amazon EC2 Compute Optimized Spot Instance
- D. In an AWS Lambda function

Answer: D

#### QUESTION 716

A company needs to perform data processing once a week that typically takes about 5 hours to complete. Which AWS service should the company use for this workload?

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

Answer: A

## QUESTION 717

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)

Answer: DE

## QUESTION 718

Which VPC component provides a layer of security at the subnet level?

- A. Security groups
- B. Network ACLS
- C. NAT gateways
- D. Route tables

Answer: A

Explanation: [https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_SecurityGroups.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html)

QUESTION

QUESTION 719

Which of the following security-

related aspects of running an Amazon ElasticCompute 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

Answer: B

QUESTION 720

A company needs a storage solution that:- Is low cost.-

Is for infrequently accessed data.- Quickly accesses data when required.-

Does not require data to be resilient Which AmazonS3 storageoption 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

Answer: C

Explanation:S3 One Zone-

IA is for data that is accessed less frequently, but requires rapid access when needed. Unlike other S3 Storage Classes which store data in a minimum of three Availability Zones (AZs), S3 One Zone-IA stores data in a single AZ and costs 20% less than S3.

Standard-IA. S3 One Zone-IA is ideal for customers who want a lower-cost option for infrequently accessed data but do not require the availability and resilience of S3 Standard or S3 Standard-IA. It's a good choice for storing secondary backup copies of on-premises data or easily re-creatable data. You can also use it as cost effective storage for data that is replicated from another AWS Region using S3 Cross-Region Replication.

## QUESTION 721

Which AWS services can be used to set up NoSQL databases? (Select TWO.)

- A. Amazon Redshift
- B. Amazon Aurora
- C. Amazon DynamoDB
- D. Amazon S3
- E. Amazon DocumentDB (with MongoDB compatibility)

Answer: CE

### QUESTION 722

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

Answer: A

### QUESTION 723

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)

Answer: B

### QUESTION 724

Which AWS service provides business analytics that enable users to create and publish interactive dashboards?

- A. Amazon Kinesis
- B. Amazon CloudWatch
- C. AWS x Ray
- D. Amazon QuickSight

Answer: D

#### QUESTION 725

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

Answer: C

#### QUESTION 726

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

Answer: D

Explanation:

An AWS Snowball Edge device, a ruggedized device that does not require built up data center space to run. You can run cloud native services like Amazon S3, Amazon EC2, Amazon EBS, AWS IoT Greengrass, and a Network File System (NFS) interface for data ingestion

#### QUESTION 727

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 WAI

C. AWS CloudTrail

D. AWS Trusted Advisor

Answer: D

#### QUESTION 728

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

Answer: AD

#### QUESTION 729

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

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

Answer: B

#### QUESTION 730

A company previously lost data that was stored in an on-premises data center. To protect against future 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. Cloud Disaster Recovery
- D. AWS Backup

Answer: C

#### QUESTION 731

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

- 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

Answer: CD

#### QUESTION 732

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

Answer: B

### QUESTION 733

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

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

Answer: B

### QUESTION 734

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

Answer: C

### QUESTION 735 Which AWS services offer compute capabilities?

- A. Amazon FC2

- B. AmazonS3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS Lambda

Answer: AE

#### QUESTION 736

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

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

Answer: B

#### QUESTION 737

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

Answer: AC

QUESTION 738

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

Answer: D

QUESTION 739

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

Answer: B

## QUESTION 740

Which encryption types can be used to protect objects at rest amazon S3?

- 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)

Answer: AB

## 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

Answer: B

## QUESTION 742

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

Answer: AD

#### QUESTION 743

A company with an AWS Business Support plan wants to identify Amazon EC2Reserved 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

Answer: C

#### QUESTION 744

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

Answer: C

#### QUESTION 745

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. Creation of DynamoDB endpoints
- E. Infrastructure provisioning and maintenance

Answer: AB

#### QUESTION 746

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

Answer: C

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

#### QUESTION 747

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

Answer: A

#### QUESTION 748

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users. Which services will help?

A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes

- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

Answer: DE

#### QUESTION 749

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

Answer: D

#### QUESTION 750

Which of the following are benefits of the AWS Business Support plan?

- 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

Answer: CD

#### QUESTION 751

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

Answer: AC

#### QUESTION 752

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

Answer: A

### QUESTION 753

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

Answer: BE

### QUESTION 754

A user can 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

Answer: AD

## QUESTION 755

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

Answer: A

## QUESTION 756

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

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

Answer: B

### QUESTION 757

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

Answer: A

### QUESTION 758

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

Answer: D

### QUESTION 759

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)

Answer: C

#### QUESTION 760

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 Elasticsearc Service (Amazon ES)
- C. Amazon QuicKSight
- D. Amazon A thena

Answer: C

#### QUESTION 761

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 placemen group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS.

Answer: B

Explanation:

[https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure\\_securit.html](https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure_securit.html)  
<https://aws.amazon.com/aws-cost-management/aws-budgets/>

## QUESTION 762

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

Answer: A

QUESTION 763 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

Answer: A

Explanation: AWS Virtual Private Network solutions establish secure connections between your on-premises networks, remote offices, client devices, and the AWS global network. AWS VPN is comprised of two services: AWS Site-to-Site

VPN and AWS Client VPN. Together, they deliver a highly-available, managed, and elastic cloud VPN solution to protect your network traffic

#### QUESTION 764

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.

Answer: BC

#### QUESTION 765

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 (WAF) managed rule from the AWS Marketplace
- D. Use AWS Key Management Service (AWS KMS) to create a customer managed key

Answer: B

#### QUESTION 766

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

Answer: AD

#### QUESTION 767

Which factor will have the MOST effect on cost?

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

Answer: A

### QUESTION 768

To optimize costs and resource usage, a company needs to monitor the operations 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

Answer: B

### QUESTION 769

Which cloud computing advantage is a company applying when it users in different countries ?

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

Answer: D

### QUESTION 770

AWS trusted advisor provides recommendations on which of the following?

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

Answer: AD

#### QUESTION 771

Which of the following is an AWS value proportion 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

Answer: B

#### QUESTION 772

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

Answer: A

#### QUESTION 773

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

Answer: D

#### QUESTION 774

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

Answer: C

#### QUESTION 775

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

Answer: D

Explanation:

An AWS Snowball Edge device, a ruggedized device that does not require built up data centers pace to run. You can run cloud native services like Amazon S3, Amazon EC2, Amazon EBS, AWS IoT Greengrass, and a Network File System (NFS interface for data ingestion.

#### QUESTION 776

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

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

Answer: C

#### QUESTION 777

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

Answer: C

#### QUESTION 778

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 plication. 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 ONS. Geoproximity, and weighted round robin

D. Automatic distribution of incoming application traffic across multiple targets, such as AmazonEC2 instances, containers, IP addresses, and AWS Lambda functions

Answer: C

#### QUESTION 779

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.

Answer: C

#### QUESTION 780

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

Answer: C

#### QUESTION 781

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

Answer: C

#### QUESTION 782

AWS services offer gateway VPC endpoints that can be used to avoid sending traffic over the internet? (Select TWO)

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Queue Service (Amazon SQS)

- C. AWS CodeBuild
- D. AmazonS3
- E. Amazon DynamoDB

Answer: DE

#### QUESTION 783

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

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

Answer: D

#### QUESTION 784

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

Answer: AD

### QUESTION 785

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

Answer: B

Explanation: [https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce\\_forecast.html](https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce_forecast.html)

### QUESTION 786

Which AWS service should a company use to provision, manage, and deploy SSL/TLS certificates?

- A. AWS Secrets Manager
- B. Amazon Inspector
- C. AWS CodeDeploy
- D. AWS Certificate Manager (ACM)

Answer: D

#### QUESTION 787

A company wants to enhance security by launching a third-party ISP intrusion detection system from its AWS account. Which AWS service or resource should the company use to meet this requirement?

- A. AWS Security Hub
- B. AWS Marketplace
- C. AWS Quick Starts
- D. AWS Security Center

Answer: D

#### QUESTION 788

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

Answer: CE

#### QUESTION 789

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

Answer: C

#### QUESTION 790

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

Answer: BD

#### QUESTION 791

A company is deploying a machine learning (ML) research project that will require a lot of compute power over several months. The ML processing jobs do not need to run at specific times. Which Amazon EC2 instance purchasing option will meet these requirements at the lowest cost?

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

Answer: A

#### QUESTION 792

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

Answer: AB

#### QUESTION 793

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.

Answer: C

#### QUESTION 794

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

Answer: B

### QUESTION 795

Which AWS service or feature gives end users the ability to access AWS resources from any location by using an encrypted connection?

- A. Amazon CloudFront
- B. AWS Client VPN
- C. AWS Direct Connect
- D. AWS PrivateLink

Answer: B

### QUESTION 796

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

Answer: B

### QUESTION 797

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

Answer: A

#### QUESTION 798

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

Answer: BE

#### QUESTION 799

Which AWS service enables users to identify the changes made to a resource overtime?

- A. AWS CloudFormation

- B. AWS Config
- C. AWS Service Catalog
- D. AWS Identity and Access Management (IAM)

Answer: B

#### QUESTION 800

Which AWS service or feature can help a company determine if it has Amazon s3buckets that are publicly available?

- A.AWS Service Health Dashboard
- B. Amazon CloudWatch Logs
- C.AWS Trusted Advisor
- D.AWS Service Catalog

Answer: C

Explanation:

[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 801

Which of the following are security best practices for using AWS Identity andAccess Management (IAM)? (Select TWO)

- A. Use AWS account root user credentials for IAM tasks
- B. Rotate credentials regularly

- C. Do not remove credentials, even if they are never used
- D. Enable multi-factor authentication (MFA)
- E. Use inline policies instead of customer managed policies

Answer: BD

#### QUESTION 802

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

Answer: B

#### QUESTION 803

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

- A. Scheduled scaling

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

Answer: A

#### QUESTION 804

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

Answer: CE

#### QUESTION 805

Which AWS Trusted Advisor check includes the verification of AWS CloudTrail logging?

- A. Performance
- B. Fault tolerance
- C. Security

D. Service limits

Answer: C

#### QUESTION 806

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

Answer: AC

## QUESTION 807

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

Answer: B

Explanation:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/security-best-practices.html>

## QUESTION 808

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

Answer: C

Explanation:

<https://aws.amazon.com/about-aws/whats-new/2020/04/you-can-now-use-aws-control-tower-to-set-up-new-multi-account-aws-environments-in-aws-organizations/>

#### QUESTION 809

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

- A.The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies.
- B.The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
- C.AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
- D.The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

Answer: D

#### QUESTION 810

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.

Answer: AE

#### QUESTION 811

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

Answer: D

#### QUESTION 812

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

Answer: A

Explanation: [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 813

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.

Answer: B

#### QUESTION 814

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

Answer: A

Explanation: <https://aws.amazon.com/compliance/shared-responsibility-model/>

#### QUESTION 815

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

Answer: C

#### QUESTION 816

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

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

Answer: B

Explanation: Only dedicated host allows users to use their own licenses

#### QUESTION 817

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

Answer: AB

Explanation: One of AWS advantages . users do not need to ques capacity or planit

#### QUESTION 818

Which of the follwing 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

Answer: CE

#### QUESTION 819

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

Answer: B

Explanation: <https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

## QUESTION 820

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.

Answer: CE

## QUESTION 821

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

Answer: B

## QUESTION 822

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

Answer: BE

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

## QUESTION823

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

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

D.AWS Fargate

Answer: C

Explanation: <https://aws.amazon.com/outposts/>

#### QUESTION 824

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

Answer: D

Explanation:

<https://dcs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### QUESTION 825

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

Answer:C

Explanation:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

## QUESTION 826

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

Answer: C

Explanation:

<https://aws.amazon.com/blogs/compliance/protecting-data-at-rest-on-premises-to-amazon-s3-using-aws-sftp.html>

## QUESTION 827

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)

Answer: D

Explanation:

<https://aws.amazon.com/blogs/security/how-to-protect-data-at-rest-with-amazon-ec2-instance-store-encryption/>

## QUESTION 828

A company has performance and regulatory requirements that call for it to run its workload only on 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

Answer: BC

Explanation: <https://s.samazon.com/worklink/> <https://amazon.com/outposts/>

## QUESTION 829

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

Answer: BE

Explanation:

<https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-and-availability>

## QUESTION 830

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

Answer: D

Explanation: <https://aws.amazon.com/marketplace>

### QUESTION 831

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

Answer: B

### QUESTION 832

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

Answer: AD

Explanation: <https://wsaaazan.com/vpn/faqs/>

QUESTION 833

Which pillar of the AWS well Architected Framework 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

Answer:D

Explanation:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf>(24)

QUESTION 834

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.

Answer:B

#### QUESTION 835

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 orfeature should be used to accomplish these task?

A. Cost Explorer

B. Amazon QuickSight

C.AWS Pricing Calculator

D.AWS Budgets

Answer: C

Explanation: <https://docs.aws.amazon.com/pricingcalculator/latest/userguide/aws-pc.pdf>

#### QUESTION 836

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

Answer: C

#### QUESTION 837

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.

Answer: B

Explanation:

[http://aws.amazon.com/premiumsupport/knowledge\\_centerestimating-aws-resource-costs/](http://aws.amazon.com/premiumsupport/knowledge_centerestimating-aws-resource-costs/)

#### QUESTION 838

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

Answer: D

QUESTION 839

When an Amazon EC2 instance is terminated, 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)

Answer: B

Explanation:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.htm>

QUESTION 840

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

Answer: C

Explanation:

<https://docs.aws.amazon.com/wellarchitected/latest/security-best-practices-for-aws-s3-buckets.html>

#### QUESTION 841

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

Answer: B

#### QUESTION 842

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.

Answer:AE

Explanation: [https://docs.aws.amazon.com/IAM/latest/UserGuide/best\\_practices.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/best_practices.html)

### QUESTION 843

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 accountactivity?

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

Answer: A

### QUESTION 844

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

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

D.Security

Answer:D

Explanation:

<https://aws.amazon.com/blogs/apn/the-5-pillar-of-the-aws-well-architected-framework/>

QUESTION 845

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

Answer:C

Explanation: <https://aws.amazon.com/autoscaling/>

QUESTION 846

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)

Answer: B

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

#### QUESTION 847

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

Answer: D

Explanation:

[https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting\\_launch.html](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting_launch.html)

#### QUESTION 848

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

Answer:C

QUESTION 849

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

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

Answer: A

QUESTION 850

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.

Answer: D

Explanation:

<https://blog.clairvoyantsoft.com/true-economics-of-cloud-computing-part-what-it-really-means-to-be-agile-1ed14a1696a5>

### QUESTION 851

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

Answer: AD

### QUESTION 852

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

Answer: D

Explanation:

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

### QUESTION 853

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

Answer: DE

### QUESTION 854

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 ill content.
- D. A company's resources are being used in a way that is inconsistent with corp

orate policy,

E. A company is receiving HTTPS requests on a web server that is serving HTTP.

Answer: AC

Explanation: [https://waz.co/premiusupport/owledge\\_cener/eport-aws\\_abuse/](https://waz.co/premiusupport/owledge_cener/eport-aws_abuse/)

## QUESTION 855

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.

Answer: C

Explanation: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

## QUESTION 856

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

Answer:AB

#### QUESTION 857

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.

Answer:BE

#### QUESTION 858

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

Answer: A

#### QUESTION 859

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

Answer:D

#### QUESTION 860

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

Answer:C

### QUESTION 861

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

Answer: BD

### QUESTION 862

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

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

Answer: D

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

### QUESTION 863

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

Answer: B

#### QUESTION 864

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.

Answer: A

Explanation: The key pair <key pair associated with your EC2 instance> does not exist. Launching EC2 instance failed. <https://docs.aws.amazon.com/autoscaling/ec2/userguide/ts-as-instance-launch-failure.html>

QUESTION 865

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

Answer: C

QUESTION 866

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.

Answer:CD

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

#### QUESTION 867

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).

Answer:C

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 868

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 (PI) from the data.

Answer: A

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. <https://aws.amazon.com/blogs/security/strengthening-amazon-s3-by-using-additional-aws-features/>

### QUESTION 869

A company needs a firewall that will control network connections to and from a single AmazonEC2 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

Answer:D

### QUESTION 870

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

Answer:BC

### QUESTION 871

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

Answer:C

#### QUESTION 872

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.AmazonS3
- C. Amazon Elastic File System (Amazon EFS)
- D.AWS Storage Gateway

Answer: B

#### QUESTION 873

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

d 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.

Answer: D

Explanation:The service provides a simple, powerful user interface that lets you build scalingplans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, AmazonDynamoDB tables and indexes, and Amazon Aurora Replicas.Reference:

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

#### QUESTION 874

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

Answer: B

### QUESTION 875

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

Answer: B

Explanation: AWS Marketplace is a curated digital catalog that makes it easy for customers to find, buy, deploy, and manage the third-party software.

Reference: <https://aws.amazon.com/marketplace/campaigns/software-procurement>

### QUESTION 876

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

Answer: B

Explanation:

You can simply upload your code and Elastic Beanstalk automatically handles the deployment. Reference: <https://aws.amazon.com/elasticbeanstalk/>

QUESTION 877

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

Answer: B

QUESTION 878

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

Answer: B

#### QUESTION 879

Which of the following is an example of a NoSQL database?

A.Amazon DynamoDB

B.Amazon Aurora

C.Amazon Relational Database Service (Amazon RDS)

D.Amazon Redshift

Answer:A

#### QUESTION 880

Where can Aws customers subscribe to third-party products?

A.AWS Knowledge Center

B.AWS Trusted Advisor

C.AWS Marketplace

D.AWS Blogs

Answer: C

#### QUESTION 881

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

Answer:C

### QUESTION 882

Which AWS service distributes incoming traffic to web servers?

- A.AWS Auto Scaling
- B. Amazon Pinpoint
- C. Elastic Load Balancing
- D. Amazon Connect

Answer: C

### QUESTION 883

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

Answer:B

### QUESTION 884

Launching new instances in Amazon Elastic Compute Cloud (Amazon EC2) takes

- A. minutes
- B. hours
- C. days
- D. weeks

Answer: A

#### QUESTION 885

Which AWS service or feature can be used to monitor CPU usage?

- A. AWS Cloudtrail
- B. VPC Flow Logs
- C. Amazon Cloudwatch
- D. AWS Config

Answer: C

#### QUESTION 886

Which AWS service seamlessly allows on-premises applications to use AWS Cloud storage?

- A. AWS DataSync
- B. AWS Transfer for SFTP
- C. Amazon Connect

## D.AWS Storage Gateway

Answer: D

### QUESTION 887

A company has an application server running on Amazon EC2 that needs to access contents within a private Amazon S3 bucket. What is the recommended approach to meet this requirement?

- A. Create an IAM role with the appropriate permissions and associate the role with the EC2 instance.
- B. Configure an Amazon s3 bucket policy to allow access from the EC2 instance using anEc2instance ID.
- C .Create a shared access key and configure the EC2 instance to use the hard-coded key.
- D. Have the application read an access key from a secured source.

Answer: A

### QUESTION 888

A workload requires long- term capacity. The Amazon EC2 instance requirements may change over time, and the workload does not support interruptions. Which instance type will be MOST cost- effective while meeting the workload requirements?

- A. Standard Reserved Instances

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

Answer: C

#### QUESTION 889

A billing department needs to track charges across multiple AWS accounts to pay the combined AWS charges incurred by all accounts. What is the MOST efficient billing strategy for this use case?

- A. Use Cost Explorer to group billing data.
- B. Use consolidated billing for AWS Organizations.
- C. Enable AWS Trusted Advisor to consolidate billing.
- D. Download aggregate billing from AWS Concierge Support.

Answer: B

#### QUESTION 890

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

Answer: C

#### QUESTION 891

Which Aws service allows a user to quickly provision multiple copies of cloud infrastructure using an infrastructure as code method?

A.AWS CloudFormation

B.AWS CodeDeploy

C.AWS System Manager

D.AWS Auto Scaling

Answer: A

#### QUESTION 892

If a company wants to build an interactive chat bot to make a call center more efficient, which AWS service should be used?

A.Amazon Connect

B.AmazonLex

C.Amazon Translate

D.Amazon Polly

Answer:B

### QUESTION 893

Which 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

Answer: D

### QUESTION 894

What is a benefit of using Amazon RDS instead of self-managed databases?

- A. It provides key-value storage with single-digit millisecond performance.
- B. It provides complete access to the underlying RDS instance.
- C. It provides high availability through multi-AZ deployments
- D. It offers unlimited object storage.

Answer:C

### QUESTION 895

A company needs 24x7 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

Answer:C

#### QUESTION 896

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.

Answer: A, D

#### QUESTION 897

To help protect the AWS account root user, a cloud practitioner should:

- A. attach a least privilege user policy to the account root user.
- B. add the account root user to a least privilege group
- C. set an account password policy to enforce password complexity
- D. enable multi-factor authentication on the account root user.

Answer :D

### QUESTION 898

Which AWS service is used to temporarily provide federated security credentials to access AWS resources?

- A. Amazon GuardDuty
- B. AWS Simple Token Service (AWS STS)
- C. AWS Secrets Manager
- D. AWS Certificate Manager

Answer: B

### QUESTION 899

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

- A. VPC Flow Logs
- B. Amazon Inspector
- C. VPC endpoint services
- D. NAT gateway

Answer: A

### QUESTION 900

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

- A. AWS CloudTrail
- B. Amazon Inspector

C.AWS WAF

D.AWS Config

Answer: A

#### QUESTION 901

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

Answer:B

#### QUESTION 902

Which AWS service is used to track, record, and audit configuration changes made to AWS resources?

A.AWS Shield

B.AWS Config

C.AWS IAM

D. Amazon Inspector

Answer: B

### QUESTION 903

Which AWS tools or services can be used to list all AWS Lambda functions running in an account? (Select Two)

- A.AWS CLI
- B.AWS CloudFormation
- C.AWS SDKs
- D.AWS CloudTrail
- E. Amazon Cloud Directory

Answer: A, C

### QUESTION 904

How can you obtain a list of the latest AWS Security bulletins?

- A.Open a support request
- B.Check the AWS Training and Certification website
- C.Check the AWS Cloud Security website
- D.Go to the AWS Artifact portal.

Answer:C

### QUESTION 905

Which service can be used to trace user activity in an AWS account?

- A. Amazon CloudWatch
- B.AWS Config

C.AWS CloudTrail

D.AWS IAM

Answer: C

#### QUESTION 906

A company has an application that requires five Amazon EC2 instances and must be able to dynamically maintain the desired number of instances in the event of a failure. Which AWS service meets these requirements?

A.AWS Auto Scaling

B. Amazon EC2 Auto Scaling

C. Amazon Elastic Block Store (Amazon EBS)snapshots

D. Elastic Load Balancer

Answer: B

#### QUESTION 907

Which AWS service can be used to help a user identify which IP addresses are attempting to establish Secure Shell (SSH)or Remote Desktop Protocol(RDP)session to access Amazon EC2 instances?

A.AWS Config

B. AWS Trusted Advisor

C.AWS CloudTraill

D.VPC Flow Logs

Answer: D

#### QUESTION 908

Which AWS service is used to create and maintain DNS records for websites?

- A. Amazon Route 53
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon CloudWatch
- D. Amazon S3

Answer: A

#### QUESTION 909

Which of the following are considered advantages of the concept of "elasticity" in cloud computing? (Select Two.)

- A. The ability to launch and terminate resources as needed
- B. Improved security
- C. Integration with on-premises applications
- D. Compliance with government policies
- E. Pay- as-you-go pricing

Answer: A, E

#### QUESTION 910

A company is getting ready for a large event and needs Amazon EC2 instances that will run uninterrupted for 24 hours. After the event, the Amazon EC2 instances will no longer be used. Which pricing model works best in this scenario?

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

Answer: D

#### QUESTION 911

What is one of the benefits of consolidated billing?

- A. Billing individual departments automatically for their usage
- B. Combining the bills of multiple accounts into a single bill for payment
- C. Avoiding service limits set by AWS on a per account basis
- D. Imposing customer defined spending limits on multiple accounts

Answer: B

#### QUESTION 912

Which of the following is a responsibility of the customer when storing data in Amazon Simple Storage Service (Amazon S3)?

- A. Object access security

B.Operating system security

C.DDoS protection

D.Data integrity protection

Answer:A

#### QUESTION 913

A company has a server that needs to be available 24 hours a day, 7 days a week with no downtime for at least one year. Which of the following purchasing options will be most cost-effective?

A.Purchasing a Reserved Instance

B.Using an Amazon EC2 Spot instance

C.Using an On-Demand instance

D.Purchasing a Dedicated Host

Answer:A

#### QUESTION 914

Which AWS offering provides private network access between AWS and customer-owned data centers?

A. Amazon CloudFront

B. Amazon GuardDuty

C.AWS Direct Connect

D.AWS Shield

Answer: C

#### QUESTION 915

Which service protects AWS customers from Distributed Denial of Service (DDoS) attacks?

A AWS Trusted Advisor

B AWS CloudTrail

C Amazon CloudWatch

D AWS Shield

Answer: D

#### QUESTION916

A company is investigating moving an on-premises web application to AWS and has a legal requirement that this application will be accessible in the event of a power failure. Which action will satisfy this requirement?

A. Designing a solution to take advantage of multiple Availability Zones

B. Designing a solution to store web application data in Amazon Glacier in the event of an application failure

C. Designing a solution to use Amazon Cloud Watch for event failures

D. Using different security groups and NACL's to mitigate outages

Answer: A

## QUESTION 917

Where can a user find pre-configured, third party security products that run on AWS?

- A. AWS IAM
- B. Amazon Inspector
- C. AWS Marketplace
- D. AWS Config

Answer: C

## QUESTION 918

What is the correct relationship among Availability Zones, data centers, and regions?

- A. Regions are composed of Availability Zones. Availability Zones are composed of data centers.
- B. Availability Zones are composed of regions. Regions are composed of data centers
- C. Data centers are composed of regions. Regions are composed of Availability Zones.
- D. Availability Zones are composed of data center

Answer: A

## QUESTION 919

What is the recommended AWS IAM feature that should be enabled for an account's root user?

- A. Access keys
- B. Multi-factor authentication(MFA)
- C. Federated access management
- D. Amazon S3 bucket policies

Answer:B

## QUESTION 920

The CTO of a company has an idea for a new market offering. The company would have to make large capital and time investments in computing resources in its current data center to support this effort. How can moving to AWS solve this challenge?

- A. AWS offers pay-as-you-go pricing, so customers only pay for what they use and can terminate resources when they are no longer needed
- B. AWS requires an initial lump sum cash investment for on-demand computing resources, but those resources are immediately available after payment,

- C. AWS allows customers to provision EC2 instances on-demand in commitment of one month at a time, paying monthly for resources used.
- D. AWS provides the option to purchase Reserved

Answer: A

#### QUESTION 921

During an audit, a company is asked to demonstrate how AWS achieves key compliance controls and objectives. How can this request be met?

- A. Download a Service Organization Control (SOC) report from AWS Artifact
- B. Raise a support case with Premium Support requesting AWS compliance controls.
- C. Contact a Solutions Architect who specializes in AWS security
- D. Download a Service Organization Control

Answer: A

#### QUESTION 922

What is the customer responsible for when configuring a security group?  
(Select TWO.)

- A. Defining the rules to meet the customer's requirements
- B. Naming the security group and providing a description
- C. Running AWS Trusted Advisor to validate the rules
- D. Evaluating the rules created by AWS Security

E Allocating the public IP to the security group

Answer: A, B

QUESTION 923

Which fully managed AWS service allows a user to bring their own machine learning algorithm?

- A. Amazon Forecast
- B. AWS Artifact
- C. AWS Data Pipeline
- D. Amazon SageMaker

Answer: D

QUESTION 924

Which AWS service allows a user to audit and evaluate changes made to AWS service resources?

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

Answer: B

QUESTION 925

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

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

Answer:C

#### QUESTION 926

What can a user accomplish using AWS CloudTrail?

- A.Generate an IAM user credentials report
- B.Record API calls made to AWS services.
- C.Assess the compliance of AWS resource configurations with policies and guidelines
- D.Ensure that Amazon EC2 instances are patched with the latest security updates

Answer:B

#### QUESTION 927

How can an AWS user directly log in to an Amazon Linux EC2 instance?

- A. Use an access key ID and secret access key
- B. Use EC2 key pairs

- C. Use AWS Secrets Manager
- D. Use AWS Resource Access Manager

Answer: B

#### QUESTION 928

Which task requires AWS account root user access and cannot be done by an IAM user or IAM user policy?

- A.Viewing an account's billing information
- B.Opening a billing support case
- C.Creating and revoke access keys and secret access keys
- D.Changing an AWS Support plan

Answer:D

#### QUESTION 929

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)

Answer: C

### QUESTION 930

Which AWS service offers expanded distributed denial of service (DDoS) attack protection for AWS resources?

A.AWS Firewall Manager

B.AWS Config

C. Amazon GuardDuty

D.AWS Shield Advanced

Answer: D

### QUESTION 931

Which of the following contribute to total cost of ownership of a workload running on the AWS Cloud? (Select Two.)

A.Hardware maintenance.

B.Power and cooling

C.Storage costs

D.Space for data center

E.Network costs

Answer:C,E

### QUESTION 932

When customers suspect that their AWS accounts have been compromised, who should the customers contact?

- A.AWS Abuse team
- B.AWS Inspector team
- C.AWS IAM team
- D.AWS Legal team

Answer: A

#### QUESTION 933

What design principle does the Amazon RDS Multiple Availability Zone deployment provide?

- A.Caching
- B.Loose coupling
- C.Scalability.
- D.Design for failure

Answer:D

#### QUESTION 934

Which AWS service can be used to find an available domain and register it?

- A. Amazon Route 53
- B.AWS Directory Service
- C.AWS Certificate Manager
- D.AWS Systems Manager

Answer: A

## QUESTION 935

To reduce costs, a company is planning to migrate a NoSQL database to AWS. Which AWS service is fully managed and can automatically scale throughput capacity to meet database workload demands?

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

Answer:C

## QUESTION 936

A company needs to add multiple users to an AWS account using AWS IAM. The users will be split into different teams, with each team having custom privileges. What is the MOST efficient way of managing and assigning privileges to each user?

- A. Create one IAM user for each team and share the details with each team member.
- B. Individually configure the necessary privileges for each IAM user.
- C. Give every IAM user administrator-level access.
- D. Set up an IAM group for each team, then add each user to their specific group.

Answer: D

#### QUESTION 937

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

Answer: D

#### QUESTION 938

A company's application was recently targeted by a distributed denial of service(DDoS)attack Which AWS services will help the company mitigate the risk of further attacks?(Select TWO)

- A. Amazon Connect
- B. AWS Shield
- C. Amazon GuardDuty
- D. Amazon CloudFront
- E. AWS Secrets Manager

Answer: B,D

### QUESTION 939

Which of the following services allows standby database instances to automatically replace unresponsive primary database instances without management overhead?

- A. Amazon Relational Database Service (Amazon RDS)
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Elasticsearch Service

Answer: A

### QUESTION 940

A user needs to identify all costs associated with a specific business unit that operates independently within a company. How can this be accomplished?

- A. Ensure that the business unit adheres to the company's tagging strategy
- B. Isolate the business units work into a previously unused AWS Region
- C. Use AWS Budgets to set threshold alerts to ensure spending compliance
- D. Use AWS Organizations to create a separate account for the business unit

Answer: D

### QUESTION 941

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

A. High availability

B. Elasticity

C. Security

D. Loose coupling

Answer: B

#### QUESTION 942

What is the customer responsible for once a workload is migrated to Amazon EC2?

A. Power and cooling

B. Hardware maintenance

C. Data center space

D. Operating system patching

Answer: D

#### QUESTION 943

Which of the following are design principles within the AWS well Architected Framework? (Select TWO.)

A. Reduced agility

B. Operational excellence

C. Ability to guess capacity requirements

D. Performance efficiency

E.Increased capita expenses

Answer: B,D

#### QUESTION 944

An application that relies on server bound licensing is being moved to the AWS Cloud. This application is subject to regulatory requirements that mandate it be kept on a specific physical server. Which Amazon Elastic Compute Cloud (Amazon EC2)pricing model is designed to meet these requirements?

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

Answer: B

#### QUESTION945

A company wants to run stateless fault tolerant, and flexible continuous integration/continuous development(C/CD)workloads on Amazon EC2 instances. Which instance type would be the MOST cost- effective for this use case?

- A. On-Demand Instances
- B. Reserved Instances

C. Spot Instances

D. Dedicated Hosts

Answer: C

#### QUESTION 946

A fleet of Amazon EC2 Linux instances needs common storage to share files.

Which AWS service can be used to accomplish this?

A. AWS Snowball

B. Amazon Elastic File System(Amazon EFS)

C. Amazon Elastic Block Store(Amazon EBS)

D. AWS Storage Gateway

Answer: B

#### QUESTION 947

Which AWS service allows for the FASTEST and MOST secure way to upload

100terabytes of data?

A. AWS Import/Export

B. Amazon Simple Storage Service (Amazon S3)

C. AWS Snowball

D. AmazonGlacier

Answer: C

### QUESTION 948

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 company? (Select TWO.)

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

Answer: B,E

### QUESTION 949

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

Answer: D

### QUESTION 950

A company application has three tiers: web, business, and data. the web and business tiers are hosted on AWS, and the database tier is located on premises

Which type of deployment mode is the company running?

- A. Cloud deployment
- B. Hybrid deployment
- C. On-premises deployment
- D. Multicloud deployment

Answer: B

#### QUESTION 951

Which AWS services or features can be used to connect on premises networks outside of AWS with a VPC? (Select TWO.)

- A.AWS Direct Connect
- B.NAT gateway
- C.AWS VPN
- D. Gateway endpoint
- E.AWS PrivateLink

Answer: A,C

#### QUESTION 952

Which deployment model has data that resides on premises and in the AWS Cloud?

- A.Cloud
- B. On-premises
- C. Infrastructure as code
- D. Hybrid

Answer: D

#### QUESTION 953

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

Answer: D

QUESTION 954 Which AWS service or feature gives users the ability to capture information about network traffic in a VPC?

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

Answer: A

## QUESTION 955

A company has three AWS accounts that are configured within an organization in AWS Organizations. The company's finance team receives one consolidated bill at the end of each month, and the finance team charges the costs back to three separate departments. For the next year, one of the three departments has decided to use Amazon EC2 Reserved Instances (RIs). The finance team must ensure that the RI discounts are applied only to the department that is using the RIs. The discounts must not be applied to the other two departments. What is the MOST cost-effective way for the finance team to meet these requirements?

- A. Purchase the RIs under the payer account. Turn off RI sharing
- B. Remove from the organization the account of the department that is using the RIs. Implement a separate billing procedure
- C. Purchase the RIs under an account that is linked to the department that is using the RIs. Turn off RI sharing
- D. Remove from consolidated billing the account of the department that is using the RIs. Implement a separate billing procedure

Answer: C

## QUESTION 956

A company has an application that produces unstructured data continuously.

The company needs to store the data so that the data is durable and easy to query. Which AWS service can the company use to meet these requirements?

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

Answer:D

#### QUESTION 957

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

Answer: D

#### QUESTION 958

A company is looking for a managed machine learning (ML) service that can

recommend products based on a customer's previous behaviors. Which AWS service meets this requirement?

- A.Amazon Personalize
- B.Amazon SageMaker
- C.Amazon Pinpoint
- D.Amazon Comprehend

Answer:A

#### QUESTION 959

A company needs to centralize the periodic backups that are being created for Amazon EC2 instances and an Amazon Elastic File System (Amazon EFS)file system. Which AWS service will meet this requirement with MINIMAL operational effort?

- A. Amazon S3
- B.AWS Data Pipeline
- C.AWS Backup
- D.AWS Storage Gateway

Answer: C

#### QUESTION 960

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

Answer:B

#### QUESTION 961

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

Answer: C

#### QUESTION 962

A company uses Amazon s3 buckets One of the company's departments enableds3 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

Answer:B

#### QUESTION 963

A system administrator notices that several Amazon EC2 instances have been terminated. The system administrator needs to identify the user or AWS API call that terminated these instances. Which AWS service should the system administrator use to meet this requirement?

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

Answer:B

#### QUESTION 964

A company wants to run Amazon EC2 instances in locations that are near the company's global users. Which aspect of the AWS environment will support this requirement?

- A.Availability Zone
- B.Edge locations
- C.AWS Regions
- D.Regional edge caches

Answer:C

#### QUESTION 965

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

Answer: D

#### QUESTION 966

A company needs a data warehouse for a new analytics project that will run on AWS. Which AWS service will meet this requirement?

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

Answer:B

#### QUESTION 967

Which databases are available on Amazon RDS?(Select TwO)

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

Answer:B,E

#### QUESTION 968

In which ways does the AWS Cloud offer lower total cost of ownership(TCO)of computing resources than on-premises data centers?(Select TwO.)

- A.AWS replaces upfront capital expenditures with pay as you-go costs
- B.AWS is designed for high availability, which eliminates user downtime.

- C.AWS eliminates the need for on premises IT staff,
- D.AWS uses economies of scale to continually reduce prices
- E.AWS offers a single pricing model for Amazon EC2 instances

Answer: A,D

#### QUESTION 969

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

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

Answer: D

#### QUESTION 970

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

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

Answer: C

### QUESTION 971

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

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

Answer:C

### QUESTION 972

Which AWS service gives users the ability to develop loosely coupled microservices and improve service to service communication?

- A.WS Service Catalog
- B.AWS Direct Connect
- C.Amazon EventBridge(Amazon CloudWatch Events)
- D.Amazon CloudWatch Logs

Answer:C

### QUESTION 973

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

Answer:C

#### QUESTION 974

Which AWS service or feature can a company use to provide high availability of an application?

A.Network ACLS

B.Amazon GuardDuty

C.Availability Zones

D.AWS Organizations

Answer:C

#### QUESTION 975

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

Answer:D

#### QUESTION 976

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 EC2instances 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 EC2instancepurchasing option will meet these requirements at the LOWEST cost?

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

Answer:B

#### QUESTION 977

Which guidelines are best practices for using AWS identity and Access Management(AM)?(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

Answer:C,E

QUESTION 978

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

Answer:D

QUESTION 979

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

Answer:A,B

#### QUESTION 980

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

Answer:B

#### QUESTION 981

What is a benefit of using AWS serverless computing?

- A.Application deployment and management are no required
- B.Application security will be fully managed by AWS.
- C.Monitoring and logging are not needed.

D.Management of infrastructure is flooded to AWS.

Answer:D

#### QUESTION 982

Which AWS service is always available free of charge to users?

- A. Amazon Athena
- B.AWS Identity and Access Management(LAM)
- C.AWS Secrets Manager
- D.Amazon ElastiCache

Answer:B

#### QUESTION 983

Which controls are shared under the AWS shared responsibility model?

Select TWO)

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

Answer: B D

#### QUESTION 984

Which AWS service is a fully hosted version control service?

A. AWS CodeCommit

B. AWS CodeBuild

C. AWS CodeDeploy

D. AWS CodeStar

Answer: A

#### QUESTION 985

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 Acceleration

C. AWS Direct Connect

D. Amazon Cloud Front

Answer: B

#### QUESTION 986

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

Answer: B

QUESTION 987 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

Answer: B

QUESTION 988

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

Answer: A,C

#### QUESTION 989

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

Answer: D

#### QUESTION 990

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

- A. Security awareness and training

- B. Development of an IAM password policy
- C. Patching of the guest operating system
- D. Physical and environmental controls

Answer: D

#### QUESTION 991

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

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

Answer: C

#### QUESTION 992

Which of the following are AWS Trusted Advisor support categories? (Select TWO)

- A. Operational excellence
- B. Cost optimization
- C. Security
- D. Well-Architected Framework

## E. Rightsizing

Answer: B,C

## QUESTION 993

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 (AM)
- B.AWS Organizations
- C. Cost Explorer
- D.AWS Budgets

Answer: B

## QUESTION 994

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

Answer: A

## QUESTION 995

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

Answer: B

#### QUESTION 996

A company is developing an application that the company will host on Amazon EC2 instances. The application must be available 24 hours a day, 7 days a week. The company needs a scalable, highly available cloud architecture to support the application. Which guidelines should the company apply in its design to meet these requirements? (Select TWO.)

- A. Use EC2 Spot Instances
- B. Use Multi-AZ deployments
- C. Use Auto Scaling groups
- D. Use AWS Backup
- E. Use EC2 Reserved Instances

Answer: B,C

### QUESTION 997

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

Answer: D

### QUESTION 998

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

Answer: A

### QUESTION 999

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

Answer: B,D

#### QUESTION 1000

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. Troubleshoot in AWS APIs
- D. Tuning database queries

Answer: D

#### QUESTION 1001

Which AWS service or IAM identity provides a secondary layer of protection when users sign in to the AWS Management Console?

- A. AWS Shield
- B. IAM roles
- C. Multi-factor authentication (MFA)

D.IAM groups

Answer; C

## QUESTION 1002

Which Reserved instance (RI)provides the HIGHEST average cost savings compared to an On-Demand Instance?

- A.1-year, NO Upfront, Standard RI
- B.1-year, All Upfront, Convertible RI
- C.3-year, All Upfront, Standard RI
- D.3-year, No Upfront, Convertible RI

Answer: C

## QUESTION 1003

A company needs to connect on-premises applications to AWS Cloud storage by using industry-standard internet Small Computer Systems Interface (iSCSI)connectivity. Which AWS solution can the company use to meet this requirement?

- A.AWS Storage Gateway file gateway
- B. Amazon API Gateway
- C.AWS Storage Gateway volume gateway
- D.AWS Transit Gateway

Answer: C

#### QUESTION 1004

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

Answer: A

### QUESTION 1005

Question: A company has migrated a customer-facing application to the AWS Cloud. The application is running on Amazon EC2 instances behind an Application Load Balancer in a single AWS Region. Customers from many countries use the application. The company needs to provide low latency for these customers. Which AWS service or feature should the company use to meet these requirements?

- A.AWS Privatelink
- B.AWS Compute Optimizer
- C.AWS Lambda
- D.AWS Global Accelerator

Answer:D

### QUESTION 1006

Question: A company is planning to build a workload in the AWS Cloud. The company needs to estimate the costs of the network, compute, storage and database for the workload. Which AWS service or tool should the company use to generate this estimate?

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

Answer:D

### QUESTION 1007

Question: Which AWS services can a company use to host and run a MySQL database?(Select TWO)

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon EC2
- E. Amazon MQ

Answer: AD

### QUESTION 1008

Question: A small company needs guidance about which AWS products, features, and services to use to best support its specific use cases. The company also wants guidance about how to configure its AWS architecture to optimize performance and costs. Which AWS Support plan meets these requirements MOST cost-effectively?

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

Answer:C

#### QUESTION 1009

Question: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 A 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

Answer:B

#### QUESTION 1010

Question: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)

Answer:C

#### QUESTION 1011

Question:A company has an AWS Enterprise Support plan. The company has questions

about a bill that it received recently. Which AWS solutions or resources should the company use or consult with to learn more about its spending? (Select TWO.)

- A. Cost Explorer
- B. Infrastructure event management
- C. AWS Trusted Advisor
- D. AWS technical account manager (TAM)
- E. AWS CloudTrail

Answer: AD

#### QUESTION 1012

Question: A retail company is migrating its IT infrastructure applications from on-premises to the AWS Cloud. Which costs will the company eliminate with this migration? (Select TWO.)

- A. Cost of data center operations
- B. Cost of application licensing
- C. Cost of marketing campaigns
- D. Cost of physical server hardware
- E. Cost of network management

Answer: AB

#### QUESTION 1013

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

- A. Patch AWS network devices
- B. Set user password rules
- C. Provide physical security for compute resources
- D. Configure security groups
- E. Patch the operating system of an Amazon EC2 instance

Answer: AC

#### QUESTION 1014

Question: 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

Answer:B

#### QUESTION 1015

Question: Under the AWS shared responsibility model, who is responsible for AWS Lambda function code quality and memory configuration?

- A. AWS is responsible for both activities.
- B. The customer is responsible for code quality and AWS is responsible for memory configuration.
- C. The customer is responsible for both activities.
- D. AWS is responsible for code quality and the customer is responsible for memory configuration.

Answer:C

#### QUESTION 1016

Question: Which AWS service or feature allows a company to receive a single monthly AWS bill when using multiple AWS accounts?

- A. Consolidated billing
- B. Amazon Cloud Directory
- C. AWS Cost Explorer
- D. AWS Cost and Usage report

Answer:A

#### QUESTION 1017

Question: Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon App Stream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer

D. Amazon Route 53

Answer:D

#### QUESTION 1018

Question: Under the AWS shared responsibility model, the customer is responsible for managing security and patches for which of the following?(Select TWO.)

- A. An Amazon EC2 instance guest operating system
- B. An Amazon EC2 bare metal instance host operating system
- C. An Amazon EC2 instance host operating system
- D. An Amazon RDS instance guest operating system
- E. An Amazon RDS instance host operating system

Answer: AB

#### QUESTION 1019

Question: Which of the following AWS services is serverless?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Lambda
- D. Amazon SageMaker

Answer:C

#### QUESTION 1020

Question: Which AWS service or feature can be used for caching static web content?

- A. Amazon S3
- B. Amazon DocumentDB
- C. Amazon CloudFront
- D. Network Load Balancer

Answer:C

#### QUESTION 1021

Question: 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

Answer: BC

#### QUESTION 1022

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

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

Answer:D

#### QUESTION 1023

Question: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

Answer:B

#### QUESTION 1024

Question: 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**

Answer:C

**QUESTION 1025**

Question: 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

Answer: A C

**QUESTION 1026**

Question: 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

Answer: D

**QUESTION 1027**

Question: 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

Answer:B

### QUESTION 1028

Question: 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

Answer: AC

### QUESTION 1029

Question: Which of the following are security best practices for using AWS Identity and Access Management (IAM)? (Select TWO)

- A. Use AWS account root user credentials for IAM tasks
- B. Rotate credentials regularly
- C. Do not remove credentials, even if they are never used
- D. Enable multi-factor authentication (MFA)

Answer: BD

### QUESTION 1030

Question: A company's application has three tiers: web, business, and data. The web and business tiers are hosted on AWS, and the database tier is located on premises. Which type of deployment model is the company running?

- A. Cloud deployment
- B. Hybrid deployment
- C. On-premises deployment
- D. Multicloud deployment

Answer:B

### QUESTION 1031

Question: 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

Answer: B

#### QUESTION 1032

Question: 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.

Answer: D

#### QUESTION 1033

Question: 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

Answer: B

#### QUESTION 1034

Question: 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

Answer: B

#### QUESTION 1035

Question: 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

Answer: B

#### QUESTION 1036

Question: 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 Cloud Trail logs

Answer: B

#### QUESTION 1037

Question: 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

Answer: B

#### QUESTION 1038

Question: 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.

Answer: A

#### QUESTION 1039

Question: 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

Answer: C

#### QUESTION 1040

Question: 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.

Answer: CD

#### QUESTION 1041

Question: 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).

Answer: C

#### QUESTION 1042

Question: 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.

Answer: A

#### QUESTION 1043

Question: 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. NetworkACL
- B. AWS WAF
- C. Route table
- D. Security group

Answer: D

#### QUESTION 1044

Question: 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

Answer: BC

#### QUESTION 1045

Question: 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

Answer: C

#### QUESTION 1046

Question: 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)

Answer: B

#### QUESTION 1047

Question: 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 Cloud Trail
- B. AWS Trusted Advisor
- C. AWS Config
- D. Amazon CloudWatch

Answer: A

#### QUESTION 1048

Question: 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

Answer: D

#### QUESTION 1049

Question: A retail company needs to build a highly available architecture for a newcommerce 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. Amazon Redshift

Answer: CD

#### QUESTION 1050

Question: Which AWS service uses edge locations?

- A. Amazon Aurora
- B. AWS Global Accelerator
- C. Amazon Connect
- D. AWS Outposts

Answer: B

#### QUESTION 1051

Question: 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

Answer: C

#### QUESTION 1052

Question: 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

Answer: B

### QUESTION 1053

Question: 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

Answer: A

### QUESTION 1054

Question: 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.

Answer: D

### QUESTION 1055

Question: 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.

Answer: B

#### QUESTION 1056

Question: 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

Answer: D

#### QUESTION 1057

Question: 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

Answer: D

#### QUESTION 1058

Question: 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)

Answer: CD

### QUESTION 1059

Question: 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

Answer: B

### QUESTION 1060

Question: Which AWS service is always free of charge for users?

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

Answer: C

### QUESTION 1061

Question: 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

Answer: ACE.

Explanation <https://intellipaat.com/community/58120/which-aws-services-can-be-used-to-store-files>

### QUESTION 1062

Question: 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.

Answer: A

#### QUESTION 1063

Question: Which AWS service or feature can be used to find availability status information on all AWS services?

- A. AWS Personal Health Dashboard
- B. AWS Cloud Trail
- C. AWS Service Health Dashboard
- D. Amazon CloudWatch

Answer: C

#### QUESTION 1064

Question: 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

Answer: B

#### QUESTION 1065

Question: 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

Answer: B

#### QUESTION 1066

Question: Which disaster recovery option is the LEAST expensive?

- A. Warm standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

Answer: C

#### QUESTION 1067

Question: 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

Answer: A

#### QUESTION 1068

Question: 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

Answer: C

#### QUESTION 1069

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

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

Answer: C

#### QUESTION 1070

Question: 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.

Answer: AC

#### QUESTION 1071

Question: 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

Answer: A

### QUESTION 1072

Question: 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

Answer: B

### QUESTION 1073

Question: 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

Answer: C

Explanation <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

#### QUESTION 1074

Question: A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses.

The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control(SOC) reports. Which AWS service or group can provide these documents?

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

Answer: B

#### QUESTION 1075

Question: 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

Answer: AC

#### QUESTION 1076

Question: 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 user. 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.

Answer: B

#### QUESTION 1077

Question: Which network security features are supported by Amazon VPC?(Choose two.)

- A. NetworkACLs
- B. Internet gateways
- C. VPC peering
- D. Security groups
- E. Firewall rules

Answer: AD

#### QUESTION 1078

Question: 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

Answer: B

#### QUESTION 1079

Question: 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.

Answer: B

#### QUESTION 1080

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

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

Answer: B

#### QUESTION 1081

Question: 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

Answer: BC

#### QUESTION 1082

Question: 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

Answer: AC

### QUESTION 1083

Question: 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

Answer: B

### QUESTION 1084

Question: 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

Answer: C

### QUESTION 1085

Question: 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.

Answer: A

### QUESTION 1086

Question: 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.

Answer: B

### QUESTION 1087

Question: 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

Answer: D

### QUESTION 1088

Question: 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

Answer: C

### QUESTION 1089

Question: 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

Answer: D

### QUESTION 1090

Question: 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

Answer: AE

### QUESTION 1091

Question: Which of the following describes AWS Local Zones?

- A. A cluster of data centers in one geographic location
- B. A site used by Amazon CloudFront to cache frequently accessed content
- C. An extension of an AWS Region to more granular locations
- D. One or more data centers with redundant power and networking

Answer: A

### QUESTION 1092

Question: Which AWS service or feature is highly available by default?

- A. Amazon EC2
- B. Amazon Aurora
- C. NAT instances

D. Amazon RDS

Answer: D

#### QUESTION 1092

Question: 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

Answer: B

#### QUESTION 1094

Question: 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

Answer: C

#### QUESTION 1095

Question: 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

Answer: C

### QUESTION 1096

Question: 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)

Answer: C

### QUESTION 1097

Question: 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

Answer: D

### QUESTION 1098

Question: 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

Answer: B

### QUESTION 1099

Question: 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

Answer: B

#### QUESTION 1100

Question: 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

Answer: C

#### QUESTION 1101

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

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

Answer: B

#### QUESTION 1102

Question: Which AWS service is a relational database compatible with MySQL and PostgreSQL?

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

Answer: C

#### QUESTION 1103

Question: 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

Answer: B

#### QUESTION 1104

Question: 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

Answer: B

#### QUESTION 1105

Question: 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

Answer: BD

#### QUESTION 1106

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

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

Answer: AD

#### QUESTION 1107

Question: 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

Answer: D

#### QUESTION 1108

Question: 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 Cloud Watch Events)
- C. Amazon Kinesis Data Streams

D. AWS Database Migration Service(AWS DMS)

Answer: C

#### QUESTION 1109

Question: 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

Answer: C

#### QUESTION 1110

Question: A VPC spans across:

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

Answer: B

#### QUESTION 1111

Question: 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

Answer: CD

#### QUESTION 1112

Question: 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

Answer: A

#### QUESTION 1113

Question: 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

Answer: C

#### QUESTION 1114

Question: 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 Route53.
- 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

Answer: D

### QUESTION 1115

Question: 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

Answer: D

### QUESTION 1116

Question: 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

Answer: C

### QUESTION 1117

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

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

Answer: A

### QUESTION 1118

Question: 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

Answer: B

#### QUESTION 1119

Question: 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

Answer: B

#### QUESTION 1120

Question: 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 AwSC

Answer: D

#### QUESTION 1121

Question: 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 Cloud Trail

Answer: C

#### QUESTION 1122

Question: 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.

Answer: BD

#### QUESTION 1123

Question: 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

Answer: A

#### QUESTION 1124

Question: 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

Answer: B

#### QUESTION 1125

Question: 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)

Answer: A

#### QUESTION 1126

Question: 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

Answer: D

#### QUESTION 1127

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

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

Answer: C

#### QUESTION 1128

Question: 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

Answer: C

#### QUESTION 1129

Question: 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

Answer: AE

#### QUESTION 1130

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

- A. Sybase
- B. Microsoft SQL Server
- C. IBMDB2
- D. MongoDB
- E. PostgreSQL

Answer: BE

#### QUESTION 1131

Question: 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

Answer: A

#### QUESTION 1132

Question: 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. Think parallel

Answer: C

#### QUESTION 1133

Question: 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

Answer: D

#### QUESTION 1134

Question: 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

Answer: D

#### QUESTION 1135

Question: 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)

Answer: D

#### QUESTION 1136

Question: 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

Answer: D

#### QUESTION 1137

Question: 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

Answer: A

#### QUESTION 1138

Question: 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)

Answer: A

#### QUESTION 1139

Question: 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

Answer: B

#### QUESTION 1140

Question: 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

Answer: D

#### QUESTION 1141

Question: 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

Answer: A

#### QUESTION 1142

Question: 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

Answer: C

#### QUESTION 1143

Question: Which AWS service is delivered regionally?

- A. AWS Shield
- B. Amazon S3
- C. Amazon Route53
- D. AWS Identity and Access Management (IAM)

Answer: B

#### QUESTION 1144

Question: 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

Answer: AC

#### QUESTION 1145

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

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

Answer: A

#### QUESTION 1146

Question: 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

Answer: A

#### QUESTION 1147

Question: 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

Answer: A C

#### QUESTION 1148

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

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

Answer: AC

#### QUESTION 1149

Question: 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

Answer: BD

#### QUESTION 1150

Question: 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

Answer: D

#### QUESTION 1151

Question: 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

Answer: A

#### QUESTION 1152

Question: 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

Answer: AC

#### QUESTION 1153

Question: 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

Answer: B

#### QUESTION 1154

Question: 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

Answer: B

#### QUESTION 1155

Question: 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 Cloud Trail
- D. Cost Explorer

Answer: D

#### QUESTION 1156

Question: 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

Answer: A

#### QUESTION 1157

Question: Which AWS service is a fully hosted version control service?

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

Answer: A

#### QUESTION 1158

Question: 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

Answer: C

#### QUESTION 1159

Question: 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

Answer: D

#### QUESTION 1160

Question: 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

Answer: BD

#### QUESTION 1161

Question: 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

Answer: C

#### QUESTION 1162

Question: 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.
- 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

Answer: B

#### QUESTION 1163

Question: 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

Answer: D

#### QUESTION 1164

Question: 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 Cloud Trail
- B. AWSX-Ray
- C. Amazon CloudWatch
- D. Amazon Cognito

Answer: B

#### QUESTION 1165

Question: A company recently created its first AWS account. Which AWS services will require the use of a VPC?(Select TWO.)

- A. AmazonS3
- B. Amazon Elastic File System(Amazon EFS)
- C. Amazon Cognito
- D. Amazon DynamoDB
- E. Amazon EC2

Answer: DE

#### QUESTION 1166

Question: 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

Answer: B

#### QUESTION 1167

Question: 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. S3Standard
- B. S3 Glacier with expedited retrievals
- C. S3 Intelligent-Tiering
- D. S3 Glacier Deep Archive

Answer: B

#### QUESTION 1168

Question: 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

Answer: D

#### QUESTION 1169

Question: 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

Answer: B

#### QUESTION 1170

Question: 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

Answer: D

#### QUESTION 1171

Question: 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

Answer: AC

#### QUESTION 1172

Question: 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

Answer: C

#### QUESTION 1173

Question: 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

Answer: D

#### QUESTION 1174

Question: 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

Answer: AE

#### QUESTION 1175

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

- A. AWS Systems Manager
- B. Cost Explorer

- C. AWS Config
- D. Amazon CloudWatch

Answer: D

#### QUESTION 1176

Question: 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

Answer: B

#### QUESTION 1177

Question: 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

Answer: A

#### QUESTION 1178

Question: 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**

Answer: DE

**QUESTION 1179**

Question: 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

Answer: B

**QUESTION 1180**

Question: A company is running a reporting web server application on Amazon EC2 instances. The application runs once every weekend 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

Answer: D

**QUESTION 1181**

Question: 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

Answer: C

#### QUESTION 1182

Question: 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

Answer: AC

#### QUESTION 1183

Question: 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)

Answer: BD

#### QUESTION 1184

Question: 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

Answer: C

#### QUESTION 1185

Question: 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

Answer: A

#### QUESTION 1186

Question : 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

Answer: A

#### QUESTION 1187

Question: 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

Answer: A

#### QUESTION 1188

Question: A company wants to establish an encrypted network connection between applications at its on-premises 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

Answer: C

#### QUESTION 1189

Question: Which AWS service provides managed DDoS protection?

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

Answer: B

#### QUESTION 1190

Question: 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 AmazonEC2 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

Answer: B

#### QUESTION 1191

Question: 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

Answer: B

#### QUESTION 1192

Question: Which AWS service can send an alert when personally identifiable information (PII) is stored within an Amazon S3 bucket?

- A. Amazon Guard Duty
- B. Amazon Macie
- C. Amazon Inspector
- D. AWS Trusted Advisor

Answer : B

#### QUESTION 1193

Question: 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

Answer: B

#### QUESTION 1194

Question: 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

Answer: C

#### QUESTION 1195

Question: 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

Answer: D

#### QUESTION 1196

Question: 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

Answer: B

#### QUESTION 1197

Question: 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 Cloud Watch Events)

D. Amazon CloudWatch Logs

Answer: A

#### QUESTION 1198

Question: 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

Answer: B

#### QUESTION 1199

Question: 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

Answer: A

#### QUESTION 1200

Question: 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

Answer: B

#### QUESTION 1201

Question: 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

Answer: C

#### QUESTION 1202

Question: 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

Answer: A

#### QUESTION 1203

Question: 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

Answer: A

#### QUESTION 1204

Question: 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

Answer: C

#### QUESTION 1205

Question: 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

Question: Which AWS services or features help protect Amazon EC2 instances from DDoS attacks by limiting network access to the instances?(Select TWO.)

- A. NetworkACLs
- B. AWS Batch
- C. Security groups
- D. AWS Identity and Access Management(IAM)
- E. AWS CloudHSM

Answer: AC

#### QUESTION 1206

Question: Which AWS services or features help protect Amazon EC2 instances from DDoS attacks by limiting network access to the instances?(Select TWO.)

- A. NetworkACLs
- B. AWS Batch
- C. Security groups
- D. AWS Identity and Access Management(IAM)
- E. AWS CloudHSM

Answer: AC

#### QUESTION 1207

Question: 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

Answer: BC

#### QUESTION 1208

Question: 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

Answer: B

#### QUESTION 1209

Question: 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

Answer: C

#### QUESTION 1210

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

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

Answer: D

#### QUESTION 1211

Question: 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

Answer: D

#### QUESTION 1212

Question: 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)

Answer: BC

### QUESTION 1213

Question: 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.

Answer: D

### QUESTION 1214

Question: 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

Answer: A

### QUESTION 1215

Question: 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.

Answer: AD

### QUESTION 1216

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

- A. A steady-state workload that requires a particular EC2 instance configuration for a

long period of time

- B. A workload that can be interrupted for a project that requires the lowest possible cost
- C. An unpredictable workload that does not require a long-term commitment
- D. A workload that is expected to run for longer than 1 year

Answer: C

#### QUESTION 1217

Question: 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.

Answer: BD

#### QUESTION 1218

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

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

Answer: D

#### QUESTION 1219

Question: 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 built-in fault tolerance
- D. Users can run Amazon EC2 Spot Instances
- E. The application can scale based on demand

Answer: CE

#### QUESTION 1220

Question: 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

Answer: A

#### QUESTION 1221

Question: Which of the following are aspects of the AWS shared responsibility model?  
(Select Two.)

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

Answer: BC

#### QUESTION 1222

Question: 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 Cloud Trail
- D. ACLS

Answer: C

#### QUESTION 1223

Question: 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)

Answer: B

#### QUESTION 1224

Question: What is the MINIMUM AWS Support plan that offers a response time of less than 15 times for a business-critical outage?

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

Answer: B

#### QUESTION 1225

Question: Which of the following are advantages of the AWS Cloud?(Select Two.)

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

resource capacity

Answer: CE

#### QUESTION 1226

Question: 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 is destined for one of the two public subnets if the traffic is from a specific IP address that has been 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

Answer: A

#### QUESTION 1227

Question: 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

Answer: B

#### QUESTION 1228

Question: A company is preparing to launch 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

Answer: C

#### QUESTION 1229

Question: 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

Answer: C

#### QUESTION 1230

Question: 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

Answer: C

#### QUESTION 1231

Question: 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.

Answer: C

### QUESTION 1232

Question: 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

Answer: A

### QUESTION 1233

Question: 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.

Answer: BD

### QUESTION 1234

Question: 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

Answer: B

#### QUESTION 1235

Question: 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

Answer: BE

#### QUESTION 1236

Question: Which AWS service or tool offers consolidated billing?

- A. AWS Artifact
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Trusted Advisor

Answer: C

#### QUESTION 1237

Question: 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

Answer: D

#### QUESTION 1238

Question: 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

Answer: A

#### QUESTION 1239

Question: 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

Answer: BC

#### QUESTION 1240

Question: 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 webservice'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.

Answer: B

#### QUESTION 1241

Question: A developer needs to maintain a development environment infrastructure and a production environment infrastructure in a repeatable fashion. Which AWS service

should the developer use to meet these requirements?

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

Answer: D

#### QUESTION 1242

Question: 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

Answer: AC

#### QUESTION 1243

Question: 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

Answer: AC

#### QUESTION 1244

Question: 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

Answer: C

#### QUESTION 1245

Question: 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

Answer: A

#### QUESTION 1246

Question: 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

Answer: D

#### QUESTION 1247

Question: 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

Answer: AD

#### QUESTION 1248

Question: 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

Answer: B

#### QUESTION 1249

Question: 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

Answer: B

#### QUESTION 1250

Question: 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.

Answer: AC

#### QUESTION 1251

Question: 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 Cloud Trail
- B. Amazon CloudWatch
- C. Amazon Inspector
- D. AWS X-Ray

Answer: A

#### QUESTION 1252

Question: Which AWS services or resources can a company use directly on its on-premises servers?(Select TWO.)

- A. AWS OpsWorks
- B. AWS CloudFormation
- C. AWS Storage Gateway
- D. Application Load Balancer
- E. Amazon Cognito

Answer: AC

#### QUESTION 1253

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

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

Answer: B

#### QUESTION 1254

Question: 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

Answer: B

#### QUESTION 1255

Question: 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

Answer: B

#### QUESTION 1256

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

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service(Amazon EKS)
- E. Closing an AWS account

Answer: AE

#### QUESTION 1257

Question: A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance. Which AWS service meets these requirements?

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

Answer: C

#### QUESTION 1258

Question: 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

Answer: B

#### QUESTION 1259

Question: 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.

Answer: D

#### QUESTION 1260

Question: 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. Amazon Redshift

Answer: CD

#### QUESTION 1261

Question: 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

Answer: B

#### QUESTION 1262

Question: 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

Answer: A

#### QUESTION 1263

Question: A large retail company wants to use an AWS service to process clickstreamdata 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

Answer: A

#### QUESTION 1264

Question: 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

Answer: B

#### QUESTION 1265

Question: 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

Answer: C

#### QUESTION 1266

Question: 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

Answer: AC

### QUESTION 1267

Question: 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

Answer: B

### QUESTION 1268

Question: 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

Answer: B

### QUESTION 1269

Question: Which AWS database allows for analytics that use SQL queries?

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

Answer: B

### QUESTION 1270

Question: 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.

Answer: C

#### QUESTION 1271

Question: 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

Answer: C

#### QUESTION 1272

Question: 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.

Answer: C

#### QUESTION 1273

Question: 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)

Answer: D

#### QUESTION 1274

Question: 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

Answer: BC

#### QUESTION 1275

Question: 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

Answer: C

#### QUESTION 1276

Question: 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

Answer: C

#### QUESTION 1277

Question: 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.

Answer: BD

#### QUESTION 1278

Question: 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

Answer: A

#### QUESTION 1279

Question: 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 Cloud Trail to find all EC2 instance-related events.
- D.Use AWS Secrets Manager to display hidden termination logs of the EC2 instance.

Answer: C

#### QUESTION 1280

Question: 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

Answer: B

#### QUESTION 1281

Question: 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

Answer: BE

#### QUESTION 1282

Question: Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

- A. AWS Management Console
- B. AWS Cloud
- C. AWS CodePipeline
- D. AWS software development kits (SDKs)

Answer: D

### QUESTION 1283

Question: 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.

Answer: C

### QUESTION 1284

Question: 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

Answer: CD

### QUESTION 1285

Question: 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

Answer: A

### QUESTION 1286

Question: 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

Answer: C

### QUESTION 1287

Question: 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 AppStream2.0
- B. AWS AppSync
- C. Amazon WorkLink
- D. AWS Elastic Beanstalk

Answer: C

### QUESTION 1288

Question: 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

Answer: A

### QUESTION 1289

Question: 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)

Answer: C

### QUESTION 1290

Question: 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. Rightslze all the EC2 instances that are used in the deployment.

Answer: D

### QUESTION 1291

Question: 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

Answer: AD

### QUESTION 1292

Question: 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)

Answer: CD

#### QUESTION 1293

Question: 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

Answer: C

#### QUESTION 1294

Question: Which AWS service enables the decoupling and scaling of applications?

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

Answer: A

#### QUESTION 1295

Question: 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.

Answer: BD

#### QUESTION 1296

Question: A company has a global website with static content. Which AWS service will deliver the static content with low latency?

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

Answer: B

#### QUESTION 1297

Question: 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.

Answer: B

#### QUESTION 1298

Question: 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.

Answer: A

#### QUESTION 1299

Question: 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 Cloud Trail

Answer: C

#### QUESTION 1300

Question: 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

Answer: C

#### QUESTION 1301

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

- A. The speed at which AWS resources are implemented
- B. The speed at which AWS creates new AWS Regions

- C. The ability to experiment quickly
  - D. The elimination of wasted capacity
  - E. The low cost of entry into cloud computing
- Answer: AC

#### QUESTION 1302

Question: Which AWS Trusted Advisor check includes the verification of AWS Cloud Trail logging?

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

Answer: C

#### QUESTION 1303

Question: 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

Answer: A

#### QUESTION 1304

Question: 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

Answer: D

### QUESTION 1305

Question: 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.

Answer: C

### QUESTION 1306

Question: 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

Answer: B

### QUESTION 1307

Question: 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

Answer: A

### QUESTION 1308

Question: 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

Answer: C

#### QUESTION 1309

Question: 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

Answer: C

#### QUESTION 1310

Question: 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

Answer: C

#### QUESTION 1311

Question: 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

Answer: C

