

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

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

2) Which AWS service would simplify the migration of a database to AWS?

- A) AWS Storage Gateway
- B) AWS Database Migration Service (AWS DMS)
- C) Amazon EC2
- D) Amazon AppStream 2.0

3) Which AWS offering enables users 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

4) 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 (Amazon VPC)

5) Which of the following is an AWS responsibility under the AWS shared responsibility model?

- A) Configuring third-party applications
- B) Maintaining physical hardware
- C) Securing application access and data
- D) Managing guest operating systems

6) Which component of the AWS global infrastructure does Amazon CloudFront use to ensure low-latency delivery?

- A) AWS Regions
- B) Edge locations
- C) Availability Zones
- D) Virtual Private Cloud (VPC)

7) How would a system administrator add an additional layer of login security to a user's AWS Management Console?

- A) Use Amazon Cloud Directory
- B) Audit AWS Identity and Access Management (IAM) roles
- C) Enable multi-factor authentication
- D) Enable AWS CloudTrail

8) Which service can identify the user that made the API call when an Amazon EC2 instance is terminated?

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

9) Which service would be used to send alerts based on Amazon CloudWatch alarms?

- A) Amazon Simple Notification Service (Amazon SNS)
- B) AWS CloudTrail
- C) AWS Trusted Advisor
- D) Amazon Route 53

10) Where can a user find information about prohibited actions on the AWS infrastructure?

- A) AWS Trusted Advisor
- B) AWS Identity and Access Management (IAM)
- C) AWS Billing Console
- D) AWS Acceptable Use Policy

Answers

- 1) C – The ability to [launch instances on demand](#) when needed allows users to launch and terminate instances in response to a varying workload. This is a more economical practice than purchasing enough on-premises servers to handle the peak load.
- 2) B – AWS DMS helps users migrate databases to AWS quickly and securely. The source database remains fully operational during the migration, minimizing downtime to applications that rely on the database. [AWS DMS](#) can migrate data to and from most widely used commercial and open-source databases.
- 3) D – [AWS Marketplace](#) is a digital catalog with thousands of software listings from independent software vendors that makes it easy to find, test, buy, and deploy software that runs on AWS.
- 4) D – [Amazon VPC](#) lets users provision a logically isolated section of the AWS Cloud where users can launch AWS resources in a virtual network that they define.
- 5) B – Maintaining physical hardware is an AWS responsibility under the [AWS shared responsibility model](#).
- 6) B – To deliver content to users with lower latency, [Amazon CloudFront](#) uses a global network of points of presence (edge locations and regional edge caches) worldwide.
- 7) C – [Multi-factor authentication](#) (MFA) is a simple best practice that adds an extra layer of protection on top of a username and password. With MFA enabled, when a user signs in to an AWS Management Console, they will be prompted for their username and password (the first factor—what they know), as well as for an authentication code from their MFA device (the second factor—what they have). Taken together, these multiple factors provide increased security for AWS account settings and resources.
- 8) B – [AWS CloudTrail](#) helps users enable governance, compliance, and operational and risk auditing of their AWS accounts. Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail. Events include actions taken in the AWS Management Console, AWS Command Line Interface (CLI), and AWS SDKs and APIs.
- 9) A – Amazon SNS and Amazon CloudWatch are integrated so users can collect, view, and analyze metrics for every active SNS. Once users have configured [CloudWatch for Amazon SNS](#), they can gain better insight into the performance of their Amazon SNS topics, push notifications, and SMS deliveries.
- 10) D – The [AWS Acceptable Use Policy](#) provides information regarding prohibited actions on the AWS infrastructure.



IT Chanakya Latest Dumps

AWS

CLF-C01

AWS Certified Cloud Practitioner 2020

Ver 21.20

Q&A 832 (Verified)

<https://www.dump4pass.com/product/CLF-C01/>

ITCertification39@gmail.com
itchanakya@hotmail.com
Sales@dump4pass.com

www.dump4pass.com

QUESTION 1

Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 2

The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

- A. Cost allocation tags
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 3

Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

- A. Amazon Glacier
- B. AWS Storage Gateway
- C. Amazon S3
- D. Amazon EBS

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/s3/faqs/>

QUESTION 4

What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty practice areas?

- A. AWS Enterprise Support
- B. AWS Solutions Architects
- C. AWS Professional Services
- D. AWS Account Managers

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/professional-services/>

QUESTION 5

A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house.

Which of the following AWS programs can a customer take advantage of to achieve that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 6

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 7

Which AWS services can host a Microsoft SQL Server database? (Choose two.)

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

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 8

Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 9

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 10

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 11

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 12

Which of the following are characteristics of Amazon S3? (Choose two.)

- A. A global file system
- B. An object store
- C. A local file store
- D. A network file system
- E. A durable storage system

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 13

Which services can be used across hybrid AWS Cloud architectures? (Choose two.)

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

Correct Answer: AB

Explanation

Explanation/Reference:

Reference: <https://www.stratoscale.com/blog/cloud/building-hybrid-cloud-environment-using-amazon-cloud/>

QUESTION 14

What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

- A. Project management
- B. Antivirus software licensing
- C. Data center security
- D. Software development

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 15

A company is considering using AWS for a self-hosted database that requires a nightly shutdown for maintenance and cost-saving purposes.

Which service should the company use?

- A. Amazon Redshift

- B. Amazon DynamoDB
- C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store
- D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 16

Which of the following is a correct relationship between regions, Availability Zones, and edge locations?

- A. Data centers contain regions.
- B. Regions contain Availability Zones.
- C. Availability Zones contain edge locations.
- D. Edge locations contain regions.

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://aws.amazon.com/about-aws/global-infrastructure/regions_az/#Region_Maps_and_Edge_Networks

QUESTION 17

Which AWS tools assist with estimating costs? (Choose three.)

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

Correct Answer: BCD

Explanation

Explanation/Reference:

QUESTION 18

Which of the following are advantages of AWS consolidated billing? (Choose two.)

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

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 19

Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On-Demand pricing?

- A. One-year, No Upfront, Standard RI pricing
- B. One-year, All Upfront, Convertible RI pricing
- C. Three-year, All Upfront, Standard RI pricing
- D. Three-year, No Upfront, Convertible RI pricing

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 20

Compared with costs in traditional and virtualized data centers, AWS has:

- A. greater variable costs and greater upfront costs.
- B. fixed usage costs and lower upfront costs.
- C. lower variable costs and greater upfront costs.
- D. lower variable costs and lower upfront costs.

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://d1.awsstatic.com/whitepapers/introduction-to-aws-cloud-economics-final.pdf> (10)

QUESTION 21

A characteristic of edge locations is that they:

- A. host Amazon EC2 instances closer to users.
- B. help lower latency and improve performance for users.
- C. cache frequently changing data without reaching the origin server.
- D. refresh data changes daily.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 22

Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/blogs/security/how-to-restrict-amazon-s3-bucket-access-to-a-specific-iam-role/>

QUESTION 23

Which of the following security-related actions are available at no cost?

- A. Calling AWS Support
- B. Contacting AWS Professional Services to request a workshop
- C. Accessing forums, blogs, and whitepapers
- D. Attending AWS classes at a local university

Correct Answer: C

Explanation

Explanation/Reference:**QUESTION 24**

Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

- A. Dedicated RIs
- B. Scheduled RIs
- C. Convertible RIs
- D. Standard RIs

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 25

Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- A. Shared responsibility security model
- B. Single tenancy
- C. Elastic computing
- D. Encryption

Correct Answer: C

Explanation

Explanation/Reference:**QUESTION 26**

Which of the following services will automatically scale with an expected increase in web traffic?

- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 27

Where are AWS compliance documents, such as an SOC 1 report, located?

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

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/compliance/soc-faqs/>

QUESTION 28

Under the AWS shared responsibility model, which of the following activities are the customer's responsibility? (Choose two.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)
- B. Encrypting data on the client-side
- C. Training the data center staff
- D. Configuring Network Access Control Lists (ACL)
- E. Maintaining environmental controls within a data center

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 29

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 30

According to best practices, how should an application be designed to run in the AWS Cloud?

- A. Use tightly coupled components.
- B. Use loosely coupled components.

- C. Use infrequently coupled components.
- D. Use frequently coupled components.

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

QUESTION 31

AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Choose two.)

- A. Implementing Amazon Rekognition
- B. Using AWS Shield-protected resources
- C. Blocking access with Security Groups
- D. Using Multi-Factor Authentication (MFA)
- E. Enforcing password strength and expiration

Correct Answer: DE

Explanation

Explanation/Reference:

QUESTION 32

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

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

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 33

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 34

A customer needs to run a MySQL database that easily scales.

Which AWS service should they use?

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

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/rds/aurora/serverless/>

QUESTION 35

Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 36

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

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

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 37

How many Availability Zones should compute resources be provisioned across to achieve high availability?

- A. A minimum of one
- B. A minimum of two
- C. A minimum of three
- D. A minimum of four or more

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 38

One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

- A. it allows the business to eliminate IT bills.
- B. it allows the business to put a server in each customer's data center.
- C. it allows the business to focus on business activities.
- D. it allows the business to leave servers unpatched.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 39

What is the lowest-cost, durable storage option for retaining database backups for immediate retrieval?

- A. Amazon S3
- B. Amazon Glacier
- C. Amazon EBS
- D. Amazon EC2 Instance Store

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 40

Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

- A. API keys
- B. Access keys
- C. User names/Passwords
- D. SSH keys

Correct Answer: B

Explanation

Explanation/Reference:

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

QUESTION 41

Which of the following is a fast and reliable NoSQL database service?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 42

What is an example of agility in the AWS Cloud?

- A. Access to multiple instance types
- B. Access to managed services
- C. Using Consolidated Billing to produce one bill
- D. Decreased acquisition time for new compute resources

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/blogs/enterprise-strategy/risk-is-lack-of-agility/>

QUESTION 43

Which service should a customer use to consolidate and centrally manage multiple AWS accounts?

- A. AWS IAM
- B. AWS Organizations
- C. AWS Schema Conversion Tool
- D. AWS Config

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 44

What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

- A. Using many instances in parallel
- B. Using a single large instance during off-peak hours
- C. Using dedicated hardware
- D. Using a large GPU instance type

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/solutions/case-studies/encoding/>

QUESTION 45

For which auditing process does AWS have sole responsibility?

- A. AWS IAM policies
- B. Physical security
- C. Amazon S3 bucket policies
- D. AWS CloudTrail Logs

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 46

Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

- A. Fault tolerance
- B. Global reach
- C. Pay-as-you-go pricing
- D. High availability

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 47

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

- A. Patching underlying infrastructure
- B. Physical security
- C. Patching Amazon EC2 instances
- D. Patching network infrastructure

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 48

A customer is using multiple AWS accounts with separate billing.

How can the customer take advantage of volume discounts with minimal impact to the AWS resources?

- A. Create one global AWS account and move all AWS resources to 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.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 49

Which of the following are features of Amazon CloudWatch Logs? (Choose two.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)

- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

Correct Answer: DE

Explanation

Explanation/Reference:

QUESTION 50

Which of the following is an AWS managed Domain Name System (DNS) web service?

- A. Amazon Route 53
- B. Amazon Neptune
- C. Amazon SageMaker
- D. Amazon Lightsail

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/getting-started/tutorials/get-a-domain/>

QUESTION 51

A customer is deploying a new application and needs to choose an AWS Region.

Which of the following factors could influence the customer's decision? (Choose two.)

- A. Reduced latency to users
- B. The application's presentation in the local language
- C. Data sovereignty compliance
- D. Cooling costs in hotter climates
- E. Proximity to the customer's office for on-site visits

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 52

Which storage service can be used as a low-cost option for hosting static websites?

- A. Amazon Glacier
- B. Amazon DynamoDB
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Simple Storage Service (Amazon S3)

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/getting-started/projects/host-static-website/>

QUESTION 53

Which Amazon EC2 instance pricing model can provide discounts of up to 90%?

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

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 54

What is the AWS customer responsible for according to the AWS shared responsibility model?

- A. Physical access controls
- B. Data encryption
- C. Secure disposal of storage devices
- D. Environmental risk management

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 55

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 56

A company is looking for a scalable data warehouse solution.

Which of the following AWS solutions would meet the company's needs?

- A. Amazon Simple Storage Service (Amazon S3)
- B. Amazon DynamoDB
- C. Amazon Kinesis
- D. Amazon Redshift

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 57

Which statement best describes Elastic Load Balancing?

- A. It translates a domain name into an IP address using DNS.
- B. It distributes incoming application traffic across one or more Amazon EC2 instances.
- C. It collects metrics on connected Amazon EC2 instances.
- D. It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 58

Which of the following are valid ways for a customer to interact with AWS services? (Choose two.)

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

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 59

The AWS Cloud's multiple Regions are an example of:

- A. agility.
- B. global infrastructure.
- C. elasticity.
- D. pay-as-you-go pricing.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 60

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

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

- D. Amazon Glacier
- E. Amazon CloudFront

Correct Answer: BE

Explanation

Explanation/Reference:

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

QUESTION 61

Web servers running on Amazon EC2 access a legacy application running in a corporate data center.

What term would describe this model?

- A. Cloud-native
- B. Partner network
- C. Hybrid architecture
- D. Infrastructure as a service

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 62

What is the benefit of using AWS managed services, such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- A. They require the customer to monitor and replace failing instances.
- B. They have better performance than customer-managed services.
- C. They simplify patching and updating underlying OSs.
- D. They do not require the customer to optimize instance type or size selections.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 63

Which service provides a virtually unlimited amount of online highly durable object storage?

- A. Amazon Redshift
- B. Amazon Elastic File System (Amazon EFS)
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon S3

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/what-is-cloud-object-storage/>

QUESTION 64

Which of the following Identity and Access Management (IAM) entities is associated with an access key ID and secret access key when using AWS Command Line Interface (AWS CLI)?

- A. IAM group
- B. IAM user
- C. IAM role
- D. IAM policy

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

QUESTION 65

Which of the following security-related services does AWS offer? (Choose two.)

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

Correct Answer: BC

Explanation

Explanation/Reference:

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

QUESTION 66

Which AWS managed service is used to host databases?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation

Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks such as hardware provisioning, database setup, patching and backups. It frees you to focus on your applications so you can give them the fast performance, high availability, security and compatibility they need.

Reference: <https://aws.amazon.com/rds/?c=db&sec=srv>

QUESTION 67

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

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Amazon Elastic File System (Amazon EFS) provides a simple, scalable, fully managed elastic NFS file system for use with AWS Cloud services and on-premises resources. It is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files, eliminating the need to provision and manage capacity to accommodate growth.

Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads. For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

QUESTION 68

When architecting cloud applications, which of the following are a key design principle?

- A. Use the largest instance possible
- B. Provision capacity for peak load
- C. Use the Scrum development process
- D. Implement elasticity

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Cloud services main proposition is to provide elasticity through horizontal scaling. It's already there. As for using largest instance possible, it is not a design principle that helps cloud applications in anyway. Scrum development process is not related to architecting. Therefore, a key principle is to provision your application for on-demand capacity. Peak loads is something that cloud applications experience everyday. Peak load management should be a necessary part of cloud application design principle.

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

QUESTION 69

Which AWS service should be used for long-term, low-cost storage of data backups?

- A. Amazon RDS
- B. Amazon Glacier
- C. AWS Snowball
- D. AWS EBS

Correct Answer: B

Explanation

Explanation/Reference:

Explanation

Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup. Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.

Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases. Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from tamper proof physical devices. Similarly, Elastic block storage offers persistent block storage volumes for EC2 instances.

Reference: <https://aws.amazon.com/backup-restore/services/>

QUESTION 70

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

- A. Physical controls
- B. Patch management
- C. Zone security
- D. Data center auditing

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 71

Which AWS service allows companies to connect an Amazon VPC to an on-premises data center?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Direct Connect enables you to securely connect your AWS environment to your on-premises data center or office location over a standard 1 gigabit or 10 gigabit Ethernet fiber-optic connection. AWS Direct Connect offers dedicated high speed, low latency connection, which bypasses internet service providers in your network path. An AWS Direct Connect location provides access to Amazon Web Services in the region it is associated with, as well as access to other US regions. AWS Direct Connect allows you to logically partition the fiber-optic connections into multiple logical connections called Virtual Local Area Networks (VLAN). You can take advantage of these logical connections to improve security, differentiate traffic, and achieve compliance requirements.

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

QUESTION 72

A company wants to reduce the physical compute footprint that developers use to run code.

Which service would meet that need by enabling serverless architectures?

- A. Amazon Elastic Compute Cloud (Amazon EC2)

- B. AWS Lambda
- C. Amazon DynamoDB
- D. AWS CodeCommit

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Lambda is an integral part of coding on AWS. It reduces physical compute footprint by utilizing aws cloud services to run code.

QUESTION 73

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. While the Service Health Dashboard displays the general status of AWS services, Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources.

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

QUESTION 74

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

Explanation:

Like your customized cloud expert, AWS Trusted Advisor analyzes your AWS environment and provides best practice recommendations in five categories: cost optimization, performance, security, fault tolerance and service limits.

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

QUESTION 75

Which task is AWS responsible for in the shared responsibility model for security and compliance?

- A. Granting access to individuals and services

- B. Encrypting data in transit
- C. Updating Amazon EC2 host firmware
- D. Updating operating systems

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS Compliance enables customers to establish and operate in an AWS security control environment
The shared responsibility model is part of AWS Compliance program
The Security of the cloud is managed by Amazon AWS provider
The Security in the cloud is responsibility of the customer
The customer is responsible for their information and data, their secure transmission, integrity, and encryption
Also, the customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2
AWS customers retain control and ownership of their data
The AWS network provides significant protection against traditional network security issues and the customer can implement further protection

QUESTION 76

Where should a company go to search software listings from independent software vendors to find, test, buy and deploy software that runs on AWS?

- A. AWS Marketplace
- B. Amazon Lumberyard
- C. AWS Artifact
- D. Amazon CloudSearch

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Marketplace is a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on AWS.

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

QUESTION 77

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

- A. Permissive security removes the administrative burden.
- B. Ability to focus on revenue-generating activities.
- C. Control over cloud network hardware.
- D. Choice of specific cloud hardware vendors.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Developer and IT staff productivity accounted for nearly 30% of overall financial benefits. The remaining benefits were driven by the flexibility and agility of Amazon cloud infrastructure services, which make it easier to trial new business models, support revenue-generating applications, and provide more reliable services to end users.

Reference: https://media.amazonwebservices.com/IDC_Business_Value_of_AWS_Accelerates_Over_time.pdf

QUESTION 78

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

- A. Dedicated Hosts
- B. Reserved Instances
- C. On-Demand Instances
- D. No Upfront Reserved Instances

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

Use Dedicated Hosts to launch Amazon EC2 instances on physical servers that are dedicated for your use. Dedicated Hosts give you additional visibility and control over how instances are placed on a physical server, and you can reliably use the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses like Windows Server and address corporate compliance and regulatory requirements.

QUESTION 79

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

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment. CloudFormation allows you to use a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This file serves as the single source of truth for your cloud environment.

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

QUESTION 80

If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

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

QUESTION 81

What is Amazon CloudWatch?

- A. A code repository with customizable build and team commit features.
- B. A metrics repository with customizable notification thresholds and channels.
- C. A security configuration repository with threat analytics.
- D. A rule repository of a web application firewall with automated vulnerability prevention features.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Amazon CloudWatch is basically a metrics repository. An AWS service — such as Amazon EC2 — puts metrics into the repository, and you retrieve statistics based on those metrics. If you put your own custom metrics into the repository, you can retrieve statistics on these metrics as well.

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch_architecture.html

QUESTION 82

Which service allows a company with multiple AWS accounts to combine its usage to obtain volume discounts?

- A. AWS Server Migration Service
- B. AWS Organizations
- C. AWS Budgets
- D. AWS Trusted Advisor

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

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

Consolidated billing has the following benefits:

One bill – You get one bill for multiple accounts.

Easy tracking – You can track the charges across multiple accounts and download the combined cost and usage data.

Combined usage – You can combine the usage across all accounts in the organization to share the volume pricing discounts and Reserved Instance discounts. This can result in a lower charge for your project, department, or company than with individual standalone accounts. For more information, see Volume Discounts.

No extra fee – Consolidated billing is offered at no additional cost.

QUESTION 83

Which of the following services could be used to deploy an application to servers running on-premises?
(Choose two.)

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

Correct Answer: BC

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/codedeploy/latest/userguide/instances-on-premises.html>
<https://aws.amazon.com/blogs/aws/opsworks-on-prem-and-existing-instances/>

QUESTION 84

Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

In the new model, the Spot prices are more predictable, updated less frequently, and are determined by supply and demand for Amazon EC2 spare capacity, not bid prices.

Reference: <https://aws.amazon.com/blogs/compute/new-amazon-ec2-spot-pricing/>

QUESTION 85

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

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

Correct Answer: CE

Explanation

Explanation/Reference:

Explanation:

Rearchitecting applications involves sweeping change where an old monolithic application is completely revamped according to modern microservices architecture. Using individual components to re-architect a big application is one part of the process. The most important part is to design the application for scalability because the level of investment for a monolithic application can only be justified when resilience and scalability

is needed.

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

QUESTION 86

Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 87

Where can AWS compliance and certification reports be downloaded?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

WS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. The AWS SOC 2 report is particularly helpful for completing questionnaires because it provides a comprehensive description of the implementation and operating effectiveness of AWS security controls. Another useful document is the Executive Briefing within the AWS FedRAMP Partner Package.

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

QUESTION 88

Which AWS service provides a customized view of the health of specific AWS services that power a customer's workloads running on AWS?

- A. AWS Service Health Dashboard
- B. AWS X-Ray
- C. AWS Personal Health Dashboard
- D. Amazon CloudWatch

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

Personal Health Dashboard gives you a personalized view of the status of the AWS services that power your applications, enabling you to quickly see when AWS is experiencing issues that may impact you. For example, in the event of a lost EBS volume associated with one of your EC2 instances, you would gain quick visibility

into the status of the specific service you are using, helping save precious time troubleshooting to determine root cause.

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

QUESTION 89

Which of the following is an advantage of consolidated billing on AWS?

- A. Volume pricing qualification
- B. Shared access permissions
- C. Multiple bills per account
- D. Eliminates the need for tagging

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

If you have multiple standalone accounts, your charges might decrease if you add the accounts to an organization. AWS combines usage from all accounts in the organization to qualify you for volume pricing discounts.

Reference: <https://help.nops.io/consolidated-billing>

QUESTION 90

Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

- A. Conduct penetration testing using Amazon Inspector, and then notify AWS support.
- B. Request and wait for approval from the customer's internal security team, and then conduct testing.
- C. Notify AWS support, and then conduct testing immediately.
- D. Request and wait for approval from AWS support, and then conduct testing.

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS customers are welcome to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for 8 services.

Reference: <https://aws.amazon.com/security/penetration-testing/>

QUESTION 91

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

To use Amazon EC2, you simply:

Select a pre-configured, templated Amazon Machine Image (AMI) to get up and running immediately. Or create an AMI containing your applications, libraries, data, and associated configuration settings.

Configure security and network access on your Amazon EC2 instance.

Choose which instance type(s) you want, then start, terminate, and monitor as many instances of your AMI as needed, using the web service APIs or the variety of management tools provided.

Determine whether you want to run in multiple locations, utilize static IP endpoints, or attach persistent block storage to your instances.

Pay only for the resources that you actually consume, like instance-hours or data transfer.

Reference: <https://aws.amazon.com/ec2/features/>

QUESTION 92

How would an AWS customer easily apply common access controls to a large set of users?

- A. Apply an IAM policy to an IAM group.
- B. Apply an IAM policy to an IAM role.
- C. Apply the same IAM policy to all IAM users with access to the same workload.
- D. Apply an IAM policy to an Amazon Cognito user pool.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

Instead of defining permissions for individual IAM users, it's usually more convenient to create groups that relate to job functions (administrators, developers, accounting, etc.). Next, define the relevant permissions for each group. Finally, assign IAM users to those groups. All the users in an IAM group inherit the permissions assigned to the group. That way, you can make changes for everyone in a group in just one place. As people move around in your company, you can simply change what IAM group their IAM user belongs to.

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

QUESTION 93

What technology enables compute capacity to adjust as loads change?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you're already using Amazon EC2 Auto Scaling to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

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

QUESTION 94

Which AWS services are defined as global instead of regional? (Choose two.)

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

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 95

Which AWS service would you use to obtain compliance reports and certificates?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

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

QUESTION 96

Under the shared responsibility model, which of the following tasks are the responsibility of the AWS customer? (Choose two.)

- A. Ensuring that application data is encrypted at rest
- B. Ensuring that AWS NTP servers are set to the correct time
- C. Ensuring that users have received security training in the use of AWS services
- D. Ensuring that access to data centers is restricted
- E. Ensuring that hardware is disposed of properly

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 97

Which AWS service can be used to manually launch instances based on resource requirements?

- A. Amazon EBS
- B. Amazon S3
- C. Amazon EC2
- D. Amazon ECS

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 98

A company is migrating an application that is running non-interruptible workloads for a three-year time frame.

Which pricing construct would provide the MOST cost-effective solution?

- A. Amazon EC2 Spot Instances
- B. Amazon EC2 Dedicated Instances
- C. Amazon EC2 On-Demand Instances
- D. Amazon EC2 Reserved Instances

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 99

The financial benefits of using AWS are: (Choose two.)

- A. reduced Total Cost of Ownership (TCO).
- B. increased capital expenditure (capex).
- C. reduced operational expenditure (opex).
- D. deferred payment plans for startups.
- E. business credit lines for startups.

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 100

Which AWS Cost Management tool allows you to view the most granular data about your AWS bill?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Billing dashboard

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

The Cost & Usage Report is your one-stop-shop for accessing the most granular data about your AWS costs and usage. You can also load your cost and usage information into Amazon Athena, Amazon Redshift, AWS QuickSight, or a tool of your choice.

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

QUESTION 101

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

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

Correct Answer: E

Explanation

Explanation/Reference:

QUESTION 102

Which of the following is an AWS Cloud architecture design principle?

- A. Implement single points of failure.
- B. Implement loose coupling.
- C. Implement monolithic design.
- D. Implement vertical scaling.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Loose coupling between services can also be done through asynchronous integration. It involves one component that generates events and another that consumes them. The two components do not integrate through direct point-to-point interaction, but usually through an intermediate durable storage layer. This approach decouples the two components and introduces additional resiliency. So, for example, if a process that is reading messages from the queue fails, messages can still be added to the queue to be processed when the system recovers.

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

QUESTION 103

Which of the following security measures protect access to an AWS account? (Choose two.)

- A. Enable AWS CloudTrail.
- B. Grant least privilege access to IAM users.
- C. Create one IAM user and share with many developers and users.
- D. Enable Amazon CloudFront.

- E. Activate multi-factor authentication (MFA) for privileged users.

Correct Answer: BE

Explanation

Explanation/Reference:

Explanation:

If you decided to create service accounts (that is, accounts used for programmatic access by applications running outside of the AWS environment) and generate access keys for them, you should create a dedicated service account for each use case. This will allow you to restrict the associated policy to only the permissions needed for the particular use case, limiting the blast radius if the credentials are compromised. For example, if a monitoring tool and a release management tool both require access to your AWS environment, create two separate service accounts with two separate policies that define the minimum set of permissions for each tool.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

QUESTION 104

Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- A. Amazon Glacier
- B. AWS Snowball
- C. AWS Storage Gateway
- D. Amazon Elastic Block Storage (Amazon EBS)

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to simplify storage management and reduce costs for key hybrid cloud storage use cases. These include moving tape backups to the cloud, reducing on-premises storage with cloud-backed file shares, providing low latency access to data in AWS for on-premises applications, as well as various migration, archiving, processing, and disaster recovery use cases.

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

QUESTION 105

Which of the following services falls under the responsibility of the customer to maintain operating system configuration, security patching, and networking?

- A. Amazon RDS
- B. Amazon EC2
- C. Amazon ElastiCache
- D. AWS Fargate

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

The customer is responsible for managing, support, patching and control of the guest operating system and AWS services provided like EC2.

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

QUESTION 106

Which of the following is an important architectural design principle when designing cloud applications?

- A. Use multiple Availability Zones.
- B. Use tightly coupled components.
- C. Use open source software.
- D. Provision extra capacity.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

Data Center resilience is practiced through Availability Zones across data centers that reduce the impact of failures.

Fault isolation improvement can be made to traditional horizontal scaling by sharding (a method of grouping instances into groups called shards, instead of sending the traffic from all users to every node like in the traditional IT structure.)

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

QUESTION 107

Which AWS support plan includes a dedicated Technical Account Manager?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

The enterprise support plans supports technical account manager. Developer and business support plans are devoid of this facility.

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

QUESTION 108

Amazon Relational Database Service (Amazon RDS) offers which of the following benefits over traditional database management?

- A. AWS manages the data stored in Amazon RDS tables.
- B. AWS manages the maintenance of the operating system.
- C. AWS automatically scales up instance types on demand.
- D. AWS manages the database type.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 109

Which service is best for storing common database query results, which helps to alleviate database access load?

- A. Amazon Machine Learning
- B. Amazon SQS
- C. Amazon ElastiCache
- D. Amazon EC2 Instance Store

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

Amazon ElastiCache for Redis is a great choice for implementing a highly available, distributed, and secure in-memory cache to decrease access latency, increase throughput, and ease the load off your relational or NoSQL databases and applications. ElastiCache can serve frequently requested items at sub-millisecond response times, and enables you to easily scale for higher loads without growing the costlier backend databases. Database query results caching, persistent session caching, and full-page caching are all popular examples of caching with ElastiCache for Redis.

Reference: <https://aws.amazon.com/products/databases/real-time-apps-elasticache-for-redis/>

QUESTION 110

Which of the following is a component of the shared responsibility model managed entirely by AWS?

- A. Patching operating system software
- B. Encrypting data
- C. Enforcing multi-factor authentication
- D. Auditing physical data center assets

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Of course, Amazon is responsible for auditing physical data center assets and resources since it is the property of Amazon Inc. Customers have no access to physical sites, hence they are not responsible for maintaining physical data center assets.

QUESTION 111

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

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

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 112

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

You can easily customize the network configuration for your Amazon VPC. For example, you can create a public-facing subnet for your web servers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to Amazon EC2 instances in each subnet.

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

QUESTION 113

If each department within a company has its own AWS account, what is one way to enable consolidated billing?

- A. Use AWS Budgets on each account to pay only to budget.
- B. Contact AWS Support for a monthly bill.
- C. Create an AWS Organization from the payer account and invite the other accounts to join.
- D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 114

How do customers benefit from Amazon's massive economies of scale?

- A. Periodic price reductions as the result of Amazon's operational efficiencies
- B. New Amazon EC2 instance types providing the latest hardware
- C. The ability to scale up and down when needed
- D. Increased reliability in the underlying hardware of Amazon EC2 instances

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 115

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

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

Correct Answer: CE

Explanation

Explanation/Reference:

Explanation:

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data. Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

Reference: <https://aws.amazon.com/solutions/real-time-insights-account-activity/>

QUESTION 116

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

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

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 117

In which scenario should Amazon EC2 Spot Instances be used?

- A. A company wants to move its main website to AWS from an on-premises web server.
- B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- C. A company's heavily used legacy database is currently running on-premises.
- D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 118

Which AWS feature should a customer leverage to achieve high availability of an application?

- A. AWS Direct Connect
- B. Availability Zones
- C. Data centers
- D. Amazon Virtual Private Cloud (Amazon VPC)

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

This is to achieve High Availability for any web application (in this case SwiftCode) deployed in AWS. The following features will be present:

High availability across multiple instances/multiple availability zones.

Auto Scaling of instances (scale up and scale down) based on number of requests coming in

Additional Security to the instances/database that are in production

No impact to end users during newer version of code deployment

No Impact during patching the instances

Reference: <https://betsol.com/2018/01/how-to-make-high-availability-web-applications-on-amazon-web-services/>

QUESTION 119

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 120

Which AWS service can serve a static website?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

You can host a static website on Amazon Simple Storage Service (Amazon S3). On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website

relies on server-side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting.

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

QUESTION 121

How does AWS shorten the time to provision IT resources?

- A. It supplies an online IT ticketing platform for resource requests.
- B. It supports automatic code validation services.
- C. It provides the ability to programmatically provision existing resources.
- D. It automates the resource request process from a company's IT vendor list.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 122

What can AWS edge locations be used for? (Choose two.)

- A. Hosting applications
- B. Delivering content closer to users
- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses
- E. Sending notification messages to end users

Correct Answer: BD

Explanation

Explanation/Reference:

Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Reference: <https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

QUESTION 123

Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

- A. A public and private key-pair
- B. Amazon Inspector
- C. AWS Identity and Access Management (IAM) policies
- D. Security Groups

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity

and Access Management (IAM) policy or another statement in the bucket policy.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/block-s3-traffic-vpc-ip/>

QUESTION 124

A solution that is able to support growth in users, traffic, or data size with no drop in performance aligns with which cloud architecture principle?

- A. Think parallel
- B. Implement elasticity
- C. Decouple your components
- D. Design for failure

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

QUESTION 125

A company will be moving from an on-premises data center to the AWS Cloud.

What would be one financial difference after the move?

- A. Moving from variable operational expense (opex) to upfront capital expense (capex).
- B. Moving from upfront capital expense (capex) to variable capital expense (capex).
- C. Moving from upfront capital expense (capex) to variable operational expense (opex).
- D. Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex).

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 126

How should a customer forecast the future costs for running a new web application?

- A. Amazon Aurora Backtrack
- B. Amazon CloudWatch Billing Alarms
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage report

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

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

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

QUESTION 127

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 128

Which of the following tasks is the responsibility of AWS?

- A. Encrypting client-side data
- B. Configuring AWS Identity and Access Management (IAM) roles
- C. Securing the Amazon EC2 hypervisor
- D. Setting user password policies

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

In EC2, the AWS IaaS offering, everything from the hypervisor layer down is AWS's responsibility. A customer's poorly coded applications, misconfigured operating systems, or insecure firewall settings will not affect the hypervisor, it will only affect the customer's virtual machines running on that hypervisor.

Reference: <https://www.mindpointgroup.com/blog/the-aws-shared-responsibility-model-part-1-security-in-the-cloud/>

QUESTION 129

One benefit of On-Demand Amazon Elastic Compute Cloud (Amazon EC2) pricing is:

- A. the ability to bid for a lower hourly cost.
- B. paying a daily rate regardless of time used.
- C. paying only for time used.
- D. pre-paying for instances and paying a lower hourly rate.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

On-Demand Capacity Reservations are priced exactly the same as their equivalent (On-Demand) instance usage. If a Capacity Reservation is fully utilized, you only pay for instance usage and nothing towards the Capacity Reservation. If a Capacity Reservation is partially utilized, you pay for the instance usage and for the unused portion of the Capacity Reservation.

Reference: <https://aws.amazon.com/ec2/pricing/on-demand/>

QUESTION 130

An administrator needs to rapidly deploy a popular IT solution and start using it immediately.

Where can the administrator find assistance?

- A. AWS Well-Architected Framework documentation
- B. Amazon CloudFront
- C. AWS CodeCommit
- D. AWS Quick Start reference deployments

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Quick Starts are built by AWS solutions architects and partners to help you deploy popular technologies on AWS, based on AWS best practices for security and high availability. These accelerators reduce hundreds of manual procedures into just a few steps, so you can build your production environment quickly and start using it immediately.

Reference: <https://aws.amazon.com/quickstart/?quickstart-all.sort-by=item.additionalFields.updateDate&quickstart-all.sort-order=desc>

QUESTION 131

Which of the following services is in the category of AWS serverless platform?

- A. Amazon EMR
- B. Elastic Load Balancing
- C. AWS Lambda
- D. AWS Mobile Hub

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS provides a set of fully managed services that you can use to build and run serverless applications. Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS Lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS Step Functions, Amazon Kinesis and developing tools and services.

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

QUESTION 132

Which services are parts of the AWS serverless platform?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
- D. Amazon Athena, Amazon Cognito, Amazon EC2

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS provides a set of fully managed services that you can use to build and run serverless applications.

Serverless applications don't require provisioning, maintaining, and administering servers for backend components such as compute, databases, storage, stream processing, message queueing, and more. You also no longer need to worry about ensuring application fault tolerance and availability. Instead, AWS handles all of these capabilities for you. Serverless platform includes: AWS Lambda, Amazon S3, DynamoDB, API gateway, Amazon SNS, AWS Step Functions, Amazon Kinesis and developing tools and services.

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

QUESTION 133

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Client-side data, application security is the sole responsibility of the customer. Patch management is a shared responsibility. That leaves us with edge location management and since this 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 134

Which AWS IAM feature is used to associate a set of permissions with multiple users?

- A. Multi-factor authentication
- B. Groups
- C. Password policies
- D. Access keys

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

An IAM group is a collection of IAM users. You can use groups to specify permissions for a collection of users, which can make those permissions easier to manage for those users. For example, you could have a group called Admins and give that group the types of permissions that administrators typically need.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/id.html>

QUESTION 135

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

- A. Unlimited uptime
- B. Elasticity
- C. Agility
- D. Colocation
- E. Capital expenses

Correct Answer: BC

Explanation

Explanation/Reference:

Explanation:

The most celebrated benefit of AWS cloud is elasticity since you can expand the services when you experience more traffic.

Agile developments in AWS Cloud through strategies are day by day becoming more established within the enterprises across the world. With so much improvement and call for optimization in the cloud, it is necessary that these strategies get established from the ground up within the organizations. It is highly important as already enterprises have a lot of bequest, politics and hierarchies which act as barriers in their businesses.

Reference: <https://www.botmetric.com/blog/evolution-agile-enterprises-aws-cloud/>

QUESTION 136

Which of the following can a customer use to enable single sign-on (SSO) to the AWS Console?

- A. Amazon Connect
- B. AWS Directory Service
- C. Amazon Pinpoint
- D. Amazon Rekognition

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Single sign-on only works when used on a computer that is joined to the AWS Directory Service directory. It cannot be used on computers that are not joined to the directory.

Reference: https://docs.aws.amazon.com/directoryservice/latest/admin-guide/ms_ad_single_sign_on.html

QUESTION 137

What are the multiple, isolated locations within an AWS Region that are connected by low-latency networks called?

- A. AWS Direct Connects
- B. Amazon VPCs
- C. Edge locations
- D. Availability Zones

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Each Region is completely independent. Each Availability Zone is isolated, but the Availability Zones in a Region are connected through low-latency links. A Local Zone is an AWS infrastructure deployment that places select services closer to your end users. A Local Zone is an extension of a Region that is in a different location from your Region. It provides a high-bandwidth backbone to the AWS infrastructure and is ideal for latency-sensitive applications, for example machine learning.

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

QUESTION 138

Which of the following benefits does the AWS Compliance program provide to AWS customers? (Choose two.)

- A. It verifies that hosted workloads are automatically compliant with the controls of supported compliance frameworks.

- B. AWS is responsible for the maintenance of common compliance framework documentation.
- C. It assures customers that AWS is maintaining physical security and data protection.
- D. It ensures the use of compliance frameworks that are being used by other cloud providers.
- E. It will adopt new compliance frameworks as they become relevant to customer workloads.

Correct Answer: BC

Explanation

Explanation/Reference:

Reference: https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf

QUESTION 139

Which of the following services provides on-demand access to AWS compliance reports?

- A. AWS IAM
- B. AWS Artifact
- C. Amazon GuardDuty
- D. AWS KMS

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

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

QUESTION 140

As part of the AWS shared responsibility model, which of the following operational controls do users fully inherit from AWS?

- A. Security management of data center
- B. Patch management
- C. Configuration management
- D. User and access management

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 141

When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)

- A. Software development
- B. Project management
- C. Storage hardware

- D. Physical servers
- E. Antivirus software license

Correct Answer: CD

Explanation

Explanation/Reference:

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

QUESTION 142

Under the shared responsibility model, which of the following tasks are the responsibility of the customer?
(Choose two.)

- A. Maintaining the underlying Amazon EC2 hardware.
- B. Managing the VPC network access control lists.
- C. Encrypting data in transit and at rest.
- D. Replacing failed hard disk drives.
- E. Deploying hardware in different Availability Zones.

Correct Answer: BC

Explanation

Explanation/Reference:

Explanation:

The hardware related jobs is the prime responsibility of AWS. VPC network access control lists is something a customer has to do himself to secure the applications. Encrypting data in transit and at rest is a shared responsibility in which AWS plays a part. All hardware related jobs have nothing to do with the customer.

Reference: <https://dzone.com/articles/aws-shared-responsibility-model-cloud-security>

QUESTION 143

Which scenarios represent the concept of elasticity on AWS? (Choose two.)

- A. Scaling the number of Amazon EC2 instances based on traffic.
- B. Resizing Amazon RDS instances as business needs change.
- C. Automatically directing traffic to less-utilized Amazon EC2 instances.
- D. Using AWS compliance documents to accelerate the compliance process.
- E. Having the ability to create and govern environments using code.

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 144

When is it beneficial for a company to use a Spot Instance?

- A. When there is flexibility in when an application needs to run.
- B. When there are mission-critical workloads.
- C. When dedicated capacity is needed.
- D. When an instance should not be stopped.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

The key to understanding spot instances is to look at the way that cloud service providers such as Amazon Web Services (AWS) operate. Cloud service providers invest in hardware resources and then release those resources (often on a per-hour basis) to subscribers. One of the problems with this business model, however, is that at any given time, there are likely to be compute resources that are not being utilized. These resources represent hardware capacity that AWS has paid for but are sitting idle, and not making AWS any money at the moment.

Rather than allowing these computing resources to go to waste, AWS offers them at a substantially discounted rate, with the understanding that if someone needs those resources for running a normal EC2 instance, that instance will take priority over spot instances that are using the hardware resources at a discounted rate. In fact, spot instances will be stopped if the resources are needed elsewhere.

Reference: <https://awsinsider.net/articles/2017/09/25/aws-spot-instances-primer.aspx>

QUESTION 145

A company is considering moving its on-premises data center to AWS.

What factors should be included in doing a Total Cost of Ownership (TCO) analysis? (Choose two.)

- A. Amazon EC2 instance availability
- B. Power consumption of the data center
- C. Labor costs to replace old servers
- D. Application developer time
- E. Database engine capacity

Correct Answer: BC

Explanation

Explanation/Reference:**QUESTION 146**

How does AWS charge for AWS Lambda?

- A. Users bid on the maximum price they are willing to pay per hour.
- B. Users choose a 1-, 3- or 5-year upfront payment term.
- C. Users pay for the required permanent storage on a file system or in a database.
- D. Users pay based on the number of requests and consumed compute resources.

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Lambda is charging its users by the number of requests for their functions and by the duration, which is the time the code needs to execute. When code starts running in response to an event, AWS Lambda counts a request. It will charge the total number of requests across all of the functions used. Duration is calculated by the time when your code started executing until it returns or until it is terminated, rounded up near to 100ms. The AWS Lambda pricing depends on the amount of memory that the user used to allocate to the function.

Reference: <https://dashbird.io/blog/aws-lambda-pricing-model-explained/>

QUESTION 147

What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon EC2) instance security?

- A. Act as a virtual firewall for the Amazon EC2 instance.
- B. Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
- C. Provide DDoS protection with AWS Shield.
- D. Use Amazon CloudFront to protect the Amazon EC2 instance.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Security Groups act like a firewall for your Amazon EC2 instances controlling both inbound and outbound traffic. When you launch an instance on Amazon EC2, you need to assign it to a particular security group. After that, you can set up ports and protocols, which remain open for users and computers over the internet.

AWS Security Groups are very flexible. You can use the default security group and still customize it according to your liking (although we don't recommend this practice because groups should be named according to their purpose.) Or you can create a security group that you want for your specific applications. To do this, you can write the corresponding code or use the Amazon EC2 console to make the process easier.

Reference: <https://www.threatstack.com/blog/aws-security-groups-what-they-are-and-how-to-get-the-most-out-of-them>

QUESTION 148

Which disaster recovery scenario offers the lowest probability of down time?

- A. Backup and restore
- B. Pilot light
- C. Warm standby
- D. Multi-site active-active

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Backup and Restore: a simple, straightforward, cost-effective method that backs up and restores data as needed. Keep in mind that because none of your data is on standby, this method, while cheap, can be quite time-consuming.

Pilot Light: This method keeps critical applications and data at the ready so that it can be quickly retrieved if needed.

Warm Standby: This method keeps a duplicate version of your business' core elements running on standby at all times, which makes for a little downtime and an almost seamless transition.

Multi-Site Solution: Also known as a Hot Standby, this method fully replicates your company's data/applications between two or more active locations and splits your traffic/usage between them. If a disaster strikes, everything is simply rerouted to the unaffected area, which means you'll suffer almost zero downtime. However, by running two separate environments simultaneously, you will obviously incur much higher costs.

Reference: <https://cloudranger.com/best-practices-aws-disaster-recovery-planning/>

QUESTION 149

What will help a company perform a cost benefit analysis of migrating to the AWS Cloud?

- A. Cost Explorer
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator

D. AWS Trusted Advisor

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS TCO calculators allow you to estimate the cost savings when using AWS and provide a detailed set of reports that can be used in executive presentations. The calculators also give you the option to modify assumptions that best meet your business needs.

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

QUESTION 150

Which of the following provides the ability to share the cost benefits of Reserved Instances across AWS accounts?

- A. AWS Cost Explorer between AWS accounts
- B. Linked accounts and consolidated billing
- C. Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report
- D. Amazon EC2 Instance Usage Report between AWS accounts

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

The way that Reserved Instance discounts apply to accounts in an organization's consolidated billing family depends on whether Reserved Instance sharing is turned on or off for the account. By default, Reserved Instance sharing for all accounts in an organization is turned on. You can change this setting by Turning Off Reserved Instance Sharing for an account.

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

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

QUESTION 151

A company has multiple AWS accounts and wants to simplify and consolidate its billing process.

Which AWS service will achieve this?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

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

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

QUESTION 152

A company is designing an application hosted in a single AWS Region serving end-users spread across the world. The company wants to provide the end-users low latency access to the application data.

Which of the following services will help fulfill this requirement?

- A. Amazon CloudFront
- B. AWS Direct Connect
- C. Amazon Route 53 global DNS
- D. Amazon Simple Storage Service (Amazon S3) transfer acceleration

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

Use AWS Local Zones to deploy workloads closer to your end-users for low-latency requirements. AWS Local Zones have their own connection to the internet and support AWS Direct Connect, so resources created in the Local Zone can serve local end-users with very low-latency communications.

Reference: <https://aws.amazon.com/about-aws/global-infrastructure/localzones/faqs/>

QUESTION 153

Which of the following deployment models enables customers to fully trade their capital IT expenses for operational expenses?

- A. On-premises
- B. Hybrid
- C. Cloud
- D. Platform as a service

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

The cloud allows you to trade capital expenses (such as data centers and physical servers) for variable expenses, and only pay for IT as you consume it. Plus, the variable expenses are much lower than what you would pay to do it yourself because of the economies of scale.

Reference: <https://aws.amazon.com/what-is-cloud-computing/>

QUESTION 154

How is asset management on AWS easier than asset management in a physical data center?

- A. AWS provides a Configuration Management Database that users can maintain.
- B. AWS performs infrastructure discovery scans on the customer's behalf.
- C. Amazon EC2 automatically generates an asset report and places it in the customer's specified Amazon S3 bucket.
- D. Users can gather asset metadata reliably with a few API calls.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS assets are centrally managed through an inventory management system that stores and tracks owner,

location, status, maintenance, and descriptive information for AWS-owned assets. Following procurement, assets are scanned and tracked, and assets undergoing maintenance are checked and monitored for ownership, status, and resolution.

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

QUESTION 155

What feature of Amazon RDS helps to create globally redundant databases?

- A. Snapshots
- B. Automatic patching and updating
- C. Cross-Region read replicas
- D. Provisioned IOPS

Correct Answer: C

Explanation

Explanation/Reference:

Reference:

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

QUESTION 156

Using AWS Identity and Access Management (IAM) to grant access only to the resources needed to perform a task is a concept known as:

- A. restricted access.
- B. as-needed access.
- C. least privilege access.
- D. token access.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

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

QUESTION 157

Which methods can be used to identify AWS costs by departments? (Choose two.)

- A. Enable multi-factor authentication for the AWS account root user.
- B. Create separate accounts for each department.
- C. Use Reserved Instances whenever possible.
- D. Use tags to associate each instance with a particular department.
- E. Pay bills using purchase orders.

Correct Answer: BD

Explanation

Explanation/Reference:

QUESTION 158

Under the AWS shared responsibility model, customer responsibilities include which one of the following?

- A. Securing the hardware, software, facilities, and networks that run all products and services.
- B. Providing certificates, reports, and other documentation directly to AWS customers under NDA.
- C. Configuring the operating system, network, and firewall.
- D. Obtaining industry certifications and independent third-party attestations.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 159

Which managed AWS service provides real-time guidance on AWS security best practices?

- A. AWS X-Ray
- B. AWS Trusted Advisor
- C. Amazon CloudWatch
- D. AWS Systems Manager

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS offers premium services such as AWS Trusted Advisor, which provides real-time guidance to help you reduce cost, increase performance, and improve security.

Reference: <https://www.ibm.com/downloads/cas/2N40X4PQ>

QUESTION 160

Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

- A. Resource groups
- B. Lifecycle policies
- C. Application Load Balancer
- D. Amazon EC2 Auto Scaling

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Support for monitoring the health of each service independently, as health checks are defined at the target group level and many CloudWatch metrics are reported at the target group level. Attaching a target group to an Auto Scaling group enables you to scale each service dynamically based on demand.

Reference: <https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>

QUESTION 161

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

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

Correct Answer: CE

Explanation

Explanation/Reference:

Explanation:

With the basic Cloud infrastructure secured and maintained by AWS, the responsibility for what goes into the cloud falls on you. This covers both client and server side encryption and network traffic protection, security of the operating system, network, and firewall configuration, followed by application security and identity and access management.

Firewall configuration remains the responsibility of the end user, which integrates at the platform and application management level. For example, RDS utilizes security groups, which you would be responsible for configuring and implementing.

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

QUESTION 162

Which AWS hybrid storage service enables your on-premises applications to seamlessly use AWS Cloud storage through standard file-storage protocols?

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

The AWS Storage Gateway service enables hybrid cloud storage between on-premises environments and the AWS Cloud. It seamlessly integrates on-premises enterprise applications and workflows with Amazon's block and object cloud storage services through industry standard storage protocols. It provides low-latency performance by caching frequently accessed data on premises, while storing data securely and durably in Amazon cloud storage services. It provides an optimized data transfer mechanism and bandwidth management, which tolerates unreliable networks and minimizes the amount of data being transferred. It brings the security, manageability, durability, and scalability of AWS to existing enterprise environments through native integration with AWS encryption, identity management, monitoring, and storage services. Typical use cases include backup and archiving, disaster recovery, moving data to S3 for in-cloud workloads, and tiered storage.

Reference: <https://aws.amazon.com/storagegateway/faqs/>

QUESTION 163

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 164

Which architectural principle is used when deploying an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode?

- A. Implement loose coupling.
- B. Design for failure.
- C. Automate everything that can be automated.
- D. Use services, not servers.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.

Reference: <https://aws.amazon.com/rds/details/multi-az/>

QUESTION 165

What does it mean to grant least privilege to AWS IAM users?

- A. It is granting permissions to a single user only.
- B. It is granting permissions using AWS IAM policies only.
- C. It is granting AdministratorAccess policy permissions to trustworthy users.
- D. It is granting only the permissions required to perform a given task.

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.

Reference: <https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

QUESTION 166

What is a benefit of loose coupling as a principle of cloud architecture design?

- A. It facilitates low-latency request handling.
- B. It allows applications to have dependent workflows.

- C. It prevents cascading failures between different components.
- D. It allows companies to focus on their physical data center operations.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

IT systems should ideally be designed in a way that reduces inter-dependencies. Your components need to be loosely coupled to avoid changes or failure in one of the components from affecting others.

Your infrastructure also needs to have well defined interfaces that allow the various components to interact with each other only through specific, technology-agnostic interfaces. Modifying any underlying operations without affecting other components should be made possible.

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

QUESTION 167

A director has been tasked with investigating hybrid cloud architecture. The company currently accesses AWS over the public internet.

Which service will facilitate private hybrid connectivity?

- A. Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway
- B. AWS Direct Connect
- C. Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
- D. AWS Web Application Firewall (AWS WAF)

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Amazon VPC provides multiple network connectivity options for you to leverage depending on your current network designs and requirements. These connectivity options include leveraging either the internet or an AWS Direct Connect connection as the network backbone and terminating the connection into either AWS or user-managed network endpoints. Additionally, with AWS, you can choose how network routing is delivered between Amazon VPC and your networks, leveraging either AWS or user-managed network equipment and routes.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-vpc-connectivity-options/introduction.html>

QUESTION 168

A company's web application currently has tight dependencies on underlying components, so when one component fails the entire web application fails.

Applying which AWS Cloud design principle will address the current design issue?

- A. Implementing elasticity, enabling the application to scale up or scale down as demand changes.
- B. Enabling several EC2 instances to run in parallel to achieve better performance.
- C. Focusing on decoupling components by isolating them and ensuring individual components can function when other components fail.
- D. Doubling EC2 computing resources to increase system fault tolerance.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 169

How can a customer increase security to AWS account logons? (Choose two.)

- A. Configure AWS Certificate Manager
- B. Enable Multi-Factor Authentication (MFA)
- C. Use Amazon Cognito to manage access
- D. Configure a strong password policy
- E. Enable AWS Organizations

Correct Answer: BC

Explanation

Explanation/Reference:

Explanation:

Your root account should always be protected by Multi-Factor Authentication (MFA). This additional layer of security helps protect against unauthorized logins to your account by requiring two factors: something you know (a password) and something you have (for example, an MFA device). AWS supports virtual and hardware MFA devices and U2F security keys.

Cognito can be used as an Identity Provider (IdP), where it stores and maintains users and credentials securely for your applications, or it can be integrated with OpenID Connect, SAML, and other popular web identity providers like Amazon.com.

Using Amazon Cognito, you can generate temporary access credentials for your clients to access AWS services, eliminating the need to store long-term credentials in client applications.

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

QUESTION 170

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

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

To improve control over your AWS environment, you can use AWS Organizations to create groups of accounts, and then attach policies to a group to ensure the correct policies are applied across the accounts without requiring custom scripts and manual processes.

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

QUESTION 171

Which AWS service can a customer use to set up an alert notification when the account is approaching a particular dollar amount?

- A. AWS Cost and Usage reports
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Trusted Advisor

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

QUESTION 172

What can users access from AWS Artifact?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

You can use AWS Artifact Reports to download AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports.

Reference: <https://aws.amazon.com/artifact/faq/>

QUESTION 173

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

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 174

Which of the following is an AWS Well-Architected Framework design principle related to reliability?

- A. Deployment to a single Availability Zone
- B. Ability to recover from failure
- C. Design for cost optimization
- D. Perform operations as code

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 175

Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

- A. Amazon EBS
- B. Amazon EC2 instance store
- C. Amazon EFS
- D. Amazon S3

Correct Answer: B

Explanation**Explanation/Reference:**

Explanation:

When you stop or terminate an instance, every block of storage in the instance store is reset. Therefore, your data cannot be accessed through the instance store of another instance.

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html>

QUESTION 176

What is an advantage of using the AWS Cloud over a traditional on-premises solution?

- A. Users do not have to guess about future capacity needs.
- B. Users can utilize existing hardware contracts for purchases.
- C. Users can fix costs no matter what their traffic is.
- D. Users can avoid audits by using reports from AWS.

Correct Answer: A

Explanation**Explanation/Reference:**

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

QUESTION 177

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

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

Correct Answer: B

Explanation**Explanation/Reference:****QUESTION 178**

Which of the following is an important architectural principle when designing cloud applications?

- A. Store data and backups in the same region.
- B. Design tightly coupled system components.
- C. Avoid multi-threading.

D. Design for failure.

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

There are six design principles for operational excellence in the cloud:

- Perform operations as code
- Annotate documentation
- Make frequent, small, reversible changes
- Refine operations procedures frequently
- Anticipate failure
- Learn from all operational failures

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

QUESTION 179

Which mechanism allows developers to access AWS services from application code?

- A. AWS Software Development Kit
- B. AWS Management Console
- C. AWS CodePipeline
- D. AWS Config

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 180

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

With On-Demand instances, you pay for compute capacity by the hour or the second depending on which instances you run. No longer-term commitments or upfront payments are needed. You can increase or decrease your compute capacity depending on the demands of your application and only pay the specified per hourly rates for the instance you use.

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

QUESTION 181

Which of the following services is a MySQL-compatible database that automatically grows storage as needed?

- A. Amazon Elastic Compute Cloud (Amazon EC2)
- B. Amazon Relational Database Service (Amazon RDS) for MySQL
- C. Amazon Lightsail
- D. Amazon Aurora

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Amazon Aurora is a relational database service that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. The MySQL-compatible edition of Aurora delivers up to 5X the throughput of standard MySQL running on the same hardware, and enables existing MySQL applications and tools to run without requiring modification.

Amazon Aurora will automatically grow the size of your database volume as your database storage needs grow. Your volume will grow in increments of 10 GB up to a maximum of 64 TB. You don't need to provision excess storage for your database to handle future growth.

Reference: <https://aws.amazon.com/rds/aurora/mysql-features/>

QUESTION 182

Which Amazon Virtual Private Cloud (Amazon VPC) feature enables users to connect two VPCs together?

- A. Amazon VPC endpoints
- B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- C. Amazon VPC peering
- D. AWS Direct Connect

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).

Reference: <https://docs.aws.amazon.com/vpc/latest/peering/what-is-vpc-peering.html>

QUESTION 183

Which service's PRIMARY purpose is software version control?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately

store and manage assets (such as documents, source code, and binary files) in the cloud.

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

QUESTION 184

A company is considering migrating its applications to AWS. The company wants to compare the cost of running the workload on-premises to running the equivalent workload on the AWS platform.

Which tool can be used to perform this comparison?

- A. AWS Simple Monthly Calculator
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Billing and Cost Management console
- D. Cost Explorer

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

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

Reference: <https://awstcoccalculator.com>

QUESTION 185

Which AWS service provides a secure, fast, and cost-effective way to migrate or transport exabyte-scale datasets into AWS?

- A. AWS Batch
- B. AWS Snowball
- C. AWS Migration Hub
- D. AWS Snowmobile

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Snowmobile is an exabyte-scale data transfer service that can move extremely large amounts of data to AWS in a fast, secure, and cost-effective manner. You can transfer up to 100PB per Snowmobile, a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck. Snowmobile makes it easy to move massive volumes of data to the cloud, including video libraries, image repositories, or even a complete data center migration. All data is encrypted with 256-bit encryption and you can manage your encryption keys with AWS Key Management Service (AWS KMS). Snowmobile includes GPS tracking, alarm monitoring, 24/7 video surveillance and an optional escort security vehicle while in transit.

Reference: <https://aws.amazon.com/about-aws/whats-new/2016/11/move-exabyte-scale-data-sets-with-aws-snowmobile/>

QUESTION 186

Which of the following BEST describe the AWS pricing model? (Choose two.)

- A. Fixed-term
- B. Pay-as-you-go
- C. Colocation

- D. Planned
- E. Variable cost

Correct Answer: BE

Explanation

Explanation/Reference:

Reference: https://d0.awsstatic.com/whitepapers/aws_pricing_overview.pdf

QUESTION 187

Which load balancer types are available with Elastic Load Balancing (ELB)? (Choose two.)

- A. Public load balancers with AWS Application Auto Scaling capabilities
- B. F5 Big-IP and Citrix NetScaler load balancers
- C. Classic Load Balancers
- D. Cross-zone load balancers with public and private IPs
- E. Application Load Balancers

Correct Answer: CE

Explanation

Explanation/Reference:

Explanation:

Elastic Load Balancing supports the following types of load balancers: Application Load Balancers, Network Load Balancers, and Classic Load Balancers. Amazon ECS services can use either type of load balancer. Application Load Balancers are used to route HTTP/HTTPS (or Layer 7) traffic. Network Load Balancers and Classic Load Balancers are used to route TCP (or Layer 4) traffic.

Reference: <https://docs.aws.amazon.com/AmazonECS/latest/developerguide/load-balancer-types.html>

QUESTION 188

Why should a company choose AWS instead of a traditional data center?

- A. AWS provides users with full control over the underlying resources.
- B. AWS does not require long-term contracts and provides a pay-as-you-go model.
- C. AWS offers edge locations in every country, supporting global reach.
- D. AWS has no limits on the number of resources that can be created.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS offers you a pay-as-you-go approach for pricing for over 160 cloud services. With AWS you pay only for the individual services you need, for as long as you use them, and without requiring long-term contracts or complex licensing. AWS pricing is similar to how you pay for utilities like water and electricity. You only pay for the services you consume, and once you stop using them, there are no additional costs or termination fees.

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

QUESTION 189

Which solution provides the FASTEST application response times to frequently accessed data to users in multiple AWS Regions?

- A. AWS CloudTrail across multiple Availability Zones

- B. Amazon CloudFront to edge locations
- C. AWS CloudFormation in multiple regions
- D. A virtual private gateway over AWS Direct Connect

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

You can deliver content and decrease end-user latency of your web application using Amazon CloudFront. CloudFront speeds up content delivery by leveraging its global network of data centers, known as edge locations, to reduce delivery time by caching your content close to your end users. CloudFront fetches your content from an origin, such as an Amazon S3 bucket, an Amazon EC2 instance, an Amazon Elastic Load Balancing load balancer or your own web server, when it's not already in an edge location. CloudFront can be used to deliver your entire website or application, including dynamic, static, streaming, and interactive content.

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

QUESTION 190

Which AWS service provides a self-service portal for on-demand access to AWS compliance reports?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

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

QUESTION 191

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

- A. Amazon Route 53
- B. AWS X-Ray
- C. AWS Snowmobile
- D. Amazon Elastic Compute Cloud (Amazon EC2)

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 192

What exclusive benefit is provided to users with Enterprise Support?

- A. Access to a Technical Project Manager
- B. Access to a Technical Account Manager
- C. Access to a Cloud Support Engineer
- D. Access to a Solutions Architect

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 193

How can a user protect against AWS service disruptions if a natural disaster affects an entire geographic area?

- A. Deploy applications across multiple Availability Zones within an AWS Region.
- B. Use a hybrid cloud computing deployment model within the geographic area.
- C. Deploy applications across multiple AWS Regions.
- D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

An AWS Region is a geographic location where AWS provides multiple, physically separated and isolated Availability Zones which are connected with low latency, high throughput, and highly redundant networking.

Reference: <https://aws.amazon.com/s3/faqs/>

QUESTION 194

How does AWS MOST effectively reduce computing costs for a growing start-up company?

- A. It provides on-demand resources for peak usage.
- B. It automates the provisioning of individual developer environments.
- C. It automates customer relationship management.
- D. It implements a fixed monthly computing budget.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

You can continue to optimize your spend and keep your development costs low by making sure you revisit your architecture often, to adjust to your startup growth. Manage your cost further by leveraging different options such as S3 CloudFront for caching & offloading to reduce cost of EC2 computing, as well as Elastic Load Balancing which prepares you for massive scale, high reliability and uninterrupted growth. Another way to keep costs down is to use AWS Identity and Access Management solutions (IAM) to manage governance of your cost drivers effectively and by the right teams.

Reference: <https://aws.amazon.com/startups/lean/>

QUESTION 195

A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future.

Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Agile is a time boxed, iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end.

Reference: <http://www.agilenutshell.com>

QUESTION 196

Which AWS Support plan provides a full set of AWS Trusted Advisor checks?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 197

Which of the following services have Distributed Denial of Service (DDoS) mitigation features? (Choose two.)

- A. AWS WAF
- B. Amazon DynamoDB
- C. Amazon EC2
- D. Amazon CloudFront
- E. Amazon Inspector

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 198

When building a cloud Total Cost of Ownership (TCO) model, which cost elements should be considered for workloads running on AWS? (Choose three.)

- A. Compute costs
- B. Facilities costs
- C. Storage costs

- D. Data transfer costs
- E. Network infrastructure costs
- F. Hardware lifecycle costs

Correct Answer: ACE

Explanation

Explanation/Reference:

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

QUESTION 199

What time-savings advantage is offered with the use of Amazon Rekognition?

- A. Amazon Rekognition provides automatic watermarking of images.
- B. Amazon Rekognition provides automatic detection of objects appearing in pictures.
- C. Amazon Rekognition provides the ability to resize millions of images automatically.
- D. Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Rekognition Image is an image recognition service that detects objects, scenes, and faces; extracts text; recognizes celebrities; and identifies inappropriate content in images. It also allows you to search and compare faces. Rekognition Image is based on the same proven, highly scalable, deep learning technology developed by Amazon's computer vision scientists to analyze billions of images daily for Prime Photos.

Reference: <https://aws.amazon.com/rekognition/faqs/>

QUESTION 200

When comparing AWS with on-premises Total Cost of Ownership (TCO), what costs are included with AWS?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 201

According to the AWS shared responsibility model, what is AWS responsible for?

- A. Configuring Amazon VPC
- B. Managing application code
- C. Maintaining application traffic
- D. Managing the network infrastructure

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 202

Which service should be used to estimate the costs of running a new project on AWS?

- A. AWS TCO Calculator
- B. AWS Simple Monthly Calculator
- C. AWS Cost Explorer API
- D. AWS Budgets

Correct Answer: B**Explanation****Explanation/Reference:**

Explanation:

To forecast your costs, use the AWS Cost Explorer. Use cost allocation tags to divide your resources into groups, and then estimate the costs for each group.

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

QUESTION 203

Which AWS tool will identify security groups that grant unrestricted Internet access to a limited list of ports?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Usage Report
- D. Amazon EC2 dashboard

Correct Answer: B**Explanation****Explanation/Reference:****QUESTION 204**

Which AWS service can be used to generate alerts based on an estimated monthly bill?

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

Correct Answer: B**Explanation****Explanation/Reference:**

Explanation:

You can monitor your estimated AWS charges by using Amazon CloudWatch. When you enable the monitoring of estimated charges for your AWS account, the estimated charges are calculated and sent several times daily to CloudWatch as metric data.

Billing metric data is stored in the US East (N. Virginia) Region and represents worldwide charges. This data includes the estimated charges for every service in AWS that you use, in addition to the estimated overall total of your AWS charges.

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

QUESTION 205

Which Amazon EC2 pricing model offers the MOST significant discount when compared to On-Demand Instances?

- A. Partial Upfront Reserved Instances for a 1-year term
- B. All Upfront Reserved Instances for a 1-year term
- C. All Upfront Reserved Instances for a 3-year term
- D. No Upfront Reserved Instances for a 3-year term

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 206

Which of the following is the responsibility of AWS?

- A. Setting up AWS Identity and Access Management (IAM) users and groups
- B. Physically destroying storage media at end of life
- C. Patching guest operating systems
- D. Configuring security settings on Amazon EC2 instances

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Media storage devices used to store customer data are classified by AWS as Critical and treated accordingly, as high impact, throughout their life-cycles. AWS has exacting standards on how to install, service, and eventually destroy the devices when they are no longer useful. When a storage device has reached the end of its useful life, AWS decommissions media using techniques detailed in NIST 800-88. Media that stored customer data is not removed from AWS control until it has been securely decommissioned.

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

QUESTION 207

Which of the following is an advantage of using AWS?

- A. AWS audits user data.
- B. Data is automatically secure.
- C. There is no guessing on capacity needs.
- D. AWS manages compliance needs.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS manages dozens of compliance programs in its infrastructure. This means that segments of your compliance have already been completed.

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/security-and-compliance.html>

QUESTION 208

Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

- A. AWS Lambda
- B. Amazon DynamoDB Accelerator
- C. Amazon Route 53
- D. Amazon CloudFront

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

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

QUESTION 209

Which services manage and automate application deployments on AWS? (Choose two.)

- A. AWS Elastic Beanstalk
- B. AWS CodeCommit
- C. AWS Data Pipeline
- D. AWS CloudFormation
- E. AWS Config

Correct Answer: AD

Explanation

Explanation/Reference:

Reference:

<https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/deploying.applications.html>

QUESTION 210

A user wants guidance on possible savings when migrating from on-premises to AWS.

Which tool is suitable for this scenario?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. AWS Well-Architected Tool

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

The TCO Calculator provides directional guidance on possible realized savings when deploying AWS. This tool is built on an underlying calculation model, that generates a fair assessment of value that a customer may

achieve given the data provided by the user.

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

QUESTION 211

Which principles are used to architect applications for reliability on the AWS Cloud? (Choose two.)

- A. Design for automated failure recovery
- B. Use multiple Availability Zones
- C. Manage changes via documented processes
- D. Test for moderate demand to ensure reliability
- E. Backup recovery to an on-premises environment

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 212

What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

- A. Rotate passwords and access keys.
- B. Remove MFA tokens.
- C. Move resources to a different AWS Region.
- D. Delete AWS CloudTrail Resources.
- E. Contact AWS Support.

Correct Answer: AE

Explanation

Explanation/Reference:

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

QUESTION 213

What is an example of high availability in the AWS Cloud?

- A. Consulting AWS technical support at any time day or night
- B. Ensuring an application remains accessible, even if a resource fails
- C. Making any AWS service available for use by paying on demand
- D. Deploying in any part of the world using AWS Regions

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 214

Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)

- C. Elastic Load Balancing (ELB)
- D. AWS Shield

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS. AWS Shield provides always-on detection and automatic inline mitigations that minimize application downtime and latency, so there is no need to engage AWS Support to benefit from DDoS protection. There are two tiers of AWS Shield - Standard and Advanced.

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

QUESTION 215

A company wants to monitor the CPU usage of its Amazon EC2 resources.

Which AWS service should the company use?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Cost and Usage report
- D. Amazon Simple Notification Service (Amazon SNS)

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

With Basic monitoring you get data on your cloudwatch metrics every 5 minutes. Enabling detailed monitoring, you will get the data every one minute.

To check if detailed monitoring is enabled, on your EC2 Console, Select the instance, on the lower pane, Select Monitoring.

Reference: <https://forums.aws.amazon.com/thread.jspa?threadID=263876>

QUESTION 216

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

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. Using IAM, you can create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.

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

QUESTION 217

What are the advantages of Reserved Instances? (Choose two.)

- A. They provide a discount over on-demand pricing.
- B. They provide access to additional instance types.
- C. They provide additional networking capability.
- D. Customers can upgrade instances as new types become available.
- E. Customers can reserve capacity in an Availability Zone.

Correct Answer: AE

Explanation

Explanation/Reference:

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

QUESTION 218

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

When the unhealthy Availability Zone returns to a healthy state, Auto Scaling automatically redistributes the application instances evenly across all of the designated Availability Zones.

Reference: <https://docs.aws.amazon.com/autoscaling/ec2/userguide/auto-scaling-benefits.html>

QUESTION 219

How can one AWS account use Reserved Instances from another AWS account?

- A. By using Amazon EC2 Dedicated Instances
- B. By using AWS Organizations consolidated billing
- C. By using the AWS Cost Explorer tool
- D. By using AWS Budgets

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

The account that originally purchased the Reserved Instance receives the discount first. If the purchasing account doesn't have any instances that match the terms of the Reserved Instance, the discount for the Reserved Instance is assigned to any matching usage on another account in the organization.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

QUESTION 220

A customer runs an On-Demand Amazon Linux EC2 instance for 3 hours, 5 minutes, and 6 seconds.

For how much time will the customer be billed?

- A. 3 hours, 5 minutes
- B. 3 hours, 5 minutes, and 6 seconds
- C. 3 hours, 6 minutes
- D. 4 hours

Correct Answer: B

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

QUESTION 221

Which of the following AWS services provide compute resources? (Choose two.)

- A. AWS Lambda
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS CodeDeploy
- D. Amazon Glacier
- E. AWS Organizations

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 222

Which AWS service enables users to deploy infrastructure as code by automating the process of provisioning resources?

- A. Amazon GameLift
- B. AWS CloudFormation
- C. AWS Data Pipeline
- D. AWS Glue

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

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

QUESTION 223

Which AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Choose two.)

- A. Amazon EBS
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. AWS Storage Gateway
- E. Amazon Connect

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 224

Which of the following allows users to provision a dedicated network connection from their internal network to AWS?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and one of the AWS Direct Connect locations. Using industry standard 802.1q VLANs, this dedicated connection can be partitioned into multiple virtual interfaces. This allows you to use the same connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC) using private IP space, while maintaining network separation between the public and private environments. Virtual interfaces can be reconfigured at any time to meet your changing needs.

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

QUESTION 225

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

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

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 226

Which service would provide network connectivity in a hybrid architecture that includes the AWS Cloud?

- A. Amazon VPC
- B. AWS Direct Connect
- C. AWS Directory Service
- D. Amazon API Gateway

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Amazon Virtual Private Cloud (Amazon VPC) is a logically isolated, private section of the AWS Cloud to launch resources in a virtual data center in the cloud. Amazon VPC allows you to leverage multiple Availability Zones (AZ) within a region so that you can build greater fault tolerance within your workloads. You have complete control.

Reference: <https://aws.amazon.com/blogs/publicsector/aws-networking-capabilities-gives-you-choices-for-hybrid-cloud-connectivity-but-which-service-works-best-for-your-use-case/>

QUESTION 227

Which tool can be used to compare the costs of running a web application in a traditional hosting environment to running it on AWS?

- A. AWS Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage report
- D. AWS Total Cost of Ownership (TCO) Calculator

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 228

What is the value of using third-party software from AWS Marketplace instead of installing third-party software on Amazon EC2? (Choose two.)

- A. Users pay for software by the hour or month depending on licensing.
- B. AWS Marketplace enables the user to launch applications with 1-Click.
- C. AWS Marketplace data encryption is managed by a third-party vendor.
- D. AWS Marketplace eliminates the need to upgrade to newer software versions.
- E. Users can deploy third-party software without testing.

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 229

Which of the following is a cloud architectural design principle?

- A. Scale up, not out.
- B. Loosely couple components.

- C. Build monolithic systems.
- D. Use commercial database software.

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Loosely coupled architectures reduce interdependencies, so that a change or failure in a component does not cascade to other components.

Reference: https://aws-certified-cloud-practitioner.fandom.com/wiki/1.3>List_the_different_cloud_architecture_design_principles

QUESTION 230

Under the shared responsibility model; which of the following areas are the customer's responsibility? (Choose two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group

Correct Answer: BE

Explanation

Explanation/Reference:

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

QUESTION 231

Which service enables customers to audit and monitor changes in AWS resources?

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

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. Config continuously monitors and records your AWS resource configurations and allows you to automate the evaluation of recorded configurations against desired configurations. With Config, you can review changes in configurations and relationships between AWS resources, dive into detailed resource configuration histories, and determine your overall compliance against the configurations specified in your internal guidelines. This enables you to simplify compliance auditing, security analysis, change management, and operational troubleshooting.

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

QUESTION 232

Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 233

According to the AWS shared responsibility model, who is responsible for configuration management?

- A. It is solely the responsibility of the customer.
- B. It is solely the responsibility of AWS.
- C. It is shared between AWS and the customer.
- D. It is not part of the AWS shared responsibility model.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

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

QUESTION 234

Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

- A. AWS CloudFormation
- B. AWS Direct Connect
- C. Amazon CloudFront
- D. Amazon Pinpoint

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency, high transfer speeds, all within a developer-friendly environment. CloudFront is integrated with AWS – both physical locations that are directly connected to the AWS global infrastructure, as well as other AWS services.

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

QUESTION 235

Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

- A. Security
- B. Reliability

- C. Elasticity
- D. High availability

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 236

A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack.

Who should the user contact FIRST about this situation?

- A. AWS Premium Support
- B. AWS Technical Account Manager
- C. AWS Solutions Architect
- D. AWS Abuse team

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 237

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

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 238

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

QUESTION 239

What is AWS Trusted Advisor?

- A. It is an AWS staff member who provides recommendations and best practices on how to use AWS.
- B. It is a network of AWS partners who provide recommendations and best practices on how to use AWS.
- C. It is an online tool with a set of automated checks that provides recommendations on cost optimization, performance, and security.
- D. It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices.

Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

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

QUESTION 240

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.

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

QUESTION 241

Which AWS service offers on-demand access to AWS security and compliance reports?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements. Reports available in AWS Artifact include our Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies across geographies and compliance verticals that validate the implementation and operating effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

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

QUESTION 242

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Choose two.)

- A. Companies can deploy applications in multiple AWS Regions to reduce latency.
- B. Amazon Translate automatically translates third-party website interfaces into multiple languages.
- C. Amazon CloudFront has multiple edge locations around the world to reduce latency.
- D. Amazon Comprehend allows users to build applications that can respond to user requests in many languages.
- E. Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency.

Correct Answer: AC

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/comprehend/features/>
<https://aws.amazon.com/cloudfront/>

QUESTION 243

Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

- A. AWS Config
- B. AWS Elastic Beanstalk
- C. Amazon Route 53
- D. Amazon CloudFront

Correct Answer: B

Explanation

Explanation/Reference:

Explanation

Upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.

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

QUESTION 244

Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC
- D. Amazon API Gateway

Correct Answer: C

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html

QUESTION 245

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 246

The pay-as-you-go pricing model for AWS services:

- A. reduces capital expenditures.
- B. requires payment up front for AWS services.
- C. is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.
- D. reduces operational expenditures.

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 247

Under the AWS shared responsibility model, AWS is responsible for which security-related task?

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 248

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

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

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

QUESTION 249

Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

- A. Managing edge locations
- B. Physical security
- C. Firewall configuration
- D. Global infrastructure

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 250

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

- A. AWS Senior Support Engineers
- B. AWS Technical Account Managers
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 251

Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)

- A. Multiple Availability Zones
- B. Performance efficiency
- C. Security
- D. Encryption usage
- E. High availability

Correct Answer: BC

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf (5)

QUESTION 252

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 253

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 254

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS.

What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.
- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 255

A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources.

What combination of actions will enable the company to accomplish this goal? (Choose two.)

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 256

A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

- A. AWS IAM
- B. Amazon GuardDuty
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS WAF

Correct Answer: D

Explanation

Explanation/Reference:

Explanation

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference: <https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/>

QUESTION 257

Treating infrastructure as code in the AWS Cloud allows users to:

- A. automate migration of on-premises hardware to AWS data centers.
- B. let a third party automate an audit of the AWS infrastructure.
- C. turn over application code to AWS so it can run on the AWS infrastructure.
- D. automate the infrastructure provisioning process.

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 258

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

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

QUESTION 259

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Amazon Athena is defined as “an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL.” So, it’s another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike Apache Drill, Athena is limited to data only from Amazon’s own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

QUESTION 260

AWS CloudFormation is designed to help the user:

- A. model and provision resources.
- B. update application code.
- C. set up data lakes.
- D. create reports for billing.

Correct Answer: A

Explanation

Explanation/Reference:

Explanation

AWS CloudFormation provides a common language for you to model and provision AWS and third party

application resources in your cloud environment. AWS CloudFormation allows you to use programming languages or a simple text file to model and provision, in an automated and secure manner, all the resources needed for your applications across all regions and accounts. This gives you a single source of truth for your AWS and third party resources.

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

QUESTION 261

Which of the following is an AWS database service?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 262

A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports.

What is the SIMPLEST way to do this?

- A. Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.
- B. Run AWS Trusted Advisor and review the findings.
- C. Open the AWS IAM console and check the inbound rule filters for open access.
- D. In AWS Config, create a custom rule that invokes an AWS Lambda function to review rules for inbound access.

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 263

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 264

A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API.

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

QUESTION 265

How can a company isolate the costs of production and non-production workloads on AWS?

- A. Create Identity and Access Management (IAM) roles for production and non-production workloads.
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services.

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 266

Where can users find a catalog of AWS-recognized providers of third-party security solutions?

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

AWS Service Catalog Delivery Partners are APN Consulting Partners who help create catalogs of IT services that are approved by the customer's organization for use on AWS. With AWS Service Catalog, customers and partners can centrally manage commonly deployed IT services to help achieve consistent governance and

meet compliance requirements while enabling users to self-provision approved services.

Reference: <https://aws.amazon.com/servicecatalog/partners/>

QUESTION 267

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers — particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors — that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

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

QUESTION 268

What are the immediate benefits of using the AWS Cloud? (Choose two.)

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

Correct Answer: BD

Explanation

Explanation/Reference:

QUESTION 269

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation

Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS. Macie recognizes sensitive data such as personally identifiable information (PII) or intellectual property. It provides you with dashboards and alerts that give visibility into how this data is being accessed or moved.

Reference: <https://docs.aws.amazon.com/macie/latest/userguide/what-is-macie.html>

QUESTION 270

What is the purpose of AWS Storage Gateway?

- A. It ensures on-premises data storage is 99.999999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.

Correct Answer: D

Explanation

Explanation/Reference:

Explanation

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference: <https://www.techradar.com/news/what-is-aws-storage-gateway>

QUESTION 271

What should users do if they want to install an application in geographically isolated locations?

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Configure the application using multiple NAT gateways.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 272

A system in the AWS Cloud is designed to withstand the failure of one or more components.

What is this an example of?

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

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://wa.aws.amazon.com/wat.question.REL_7.en.html

QUESTION 273

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system.

Which AWS service can fulfill this requirement?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

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

QUESTION 274

Within the AWS shared responsibility model, who is responsible for security and compliance?

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

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

QUESTION 275

To use the AWS CLI, users are required to generate:

- A. a password policy.
- B. an access/secret key.
- C. a managed policy.

D. an API key.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 276

Which AWS service is used to provide encryption for Amazon EBS?

- A. AWS Certificate Manager
- B. AWS Systems Manager
- C. AWS KMS
- D. AWS Config

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 277

How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Choose two.)

- A. By the time it takes for the Lambda function to execute.
- B. By the number of versions of a specific Lambda function.
- C. By the number of requests made for a given Lambda function.
- D. By the programming language that is used for the Lambda function.
- E. By the total number of Lambda functions in an AWS account.

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 278

Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Choose two.)

- A. There are more AWS Regions than Availability Zones.
- B. There are more edge locations than AWS Regions.
- C. An edge location is an Availability Zone.
- D. There are more AWS Regions than edge locations.
- E. There are more Availability Zones than AWS Regions.

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 279

What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

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

QUESTION 280

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources.

What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node .js code
- B. Penetration testing for security
- C. hardware required to support new applications
- D. Writing specific test cases for third-party applications.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 281

What does AWS Marketplace allow users to do? (Choose two.)

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

Correct Answer: BC

Explanation

Explanation/Reference:

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

QUESTION 282

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.

- D. Some resources run on-premises and some run in the AWS Cloud.

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 283

Which AWS service allows users to identify the changes made to a resource over time?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Service Catalog
- D. AWS IAM

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 284

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation

AWS helps you reduce Total Cost of Ownership (TCO) by reducing the need to invest in large capital expenditures and providing a pay-as-you-go model that empowers you to invest in the capacity you need and use it only when the business requires it.

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

QUESTION 285

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 286

What are the advantages of the AWS Cloud? (Choose two.)

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

Correct Answer: BC

Explanation

Explanation/Reference:

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

QUESTION 287

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.
- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

Correct Answer: BC

Explanation

Explanation/Reference:

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

QUESTION 288

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 289

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security

- D. Physical security of hardware

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 290

What helps a company provide a lower latency experience to its users globally?

- A. Using an AWS Region that is central to all users
- B. Using a second Availability Zone in the AWS Region that is being used
- C. Enabling caching in the AWS Region that is being used
- D. Using edge locations to put content closer to all users

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 291

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 292

Which AWS service provides a quick and automated way to create and manage AWS accounts?

- A. AWS QuickSight
- B. Amazon Lightsail
- C. AWS Organizations
- D. Amazon Connect

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 293

Which Amazon RDS feature can be used to achieve high availability?

- A. Multiple Availability Zones
- B. Amazon Reserved Instances
- C. Provisioned IOPS storage
- D. Enhanced monitoring

Correct Answer: A

Explanation

Explanation/Reference:

Explanation

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference: <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

QUESTION 294

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 295

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

Correct Answer: A

Explanation

Explanation/Reference:

Explanation

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

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

QUESTION 296

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 297

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

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

QUESTION 298

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

- A. AWS Auto Scaling for Amazon EC2 instances
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

Correct Answer: AC

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

QUESTION 299

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone

- D. Distribute the compute load across multiple resources

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

QUESTION 300

Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites
- D. Require IAM users to store their passwords in raw text
- E. Disable multi-factor authentication (MFA) for IAM users

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 301

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project.

How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

Correct Answer: CD

Explanation

Explanation/Reference:

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

QUESTION 302

How does the AWS Enterprise Support Concierge team help users?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 303

An application designed to span multiple Availability Zones is described as:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

Correct Answer: A

Explanation

Explanation/Reference:

Reference: https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NsIAVm2&sig=ACfU3U2fe5KOugmORbAoV9lqj_eCGlsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false

QUESTION 304

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 305

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

- A. AWS Trusted Advisor
- B. AWS Simple Monthly Calculator
- C. AWS Total Cost of Ownership (TCO) Calculator
- D. Cost Explorer

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 306

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-consolidated-billing/>

QUESTION 307

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 308

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds?
(Choose two.)

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

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 309

Which AWS service or resource is serverless?

- A. AWS Lambda
- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 310

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

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

Correct Answer: BD

Explanation

Explanation/Reference:

Reference: https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lvl1sec26/vpc-components

QUESTION 311

AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/budgets-managing-costs.html>

QUESTION 312

Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

Correct Answer: CE

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

QUESTION 313

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

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

Correct Answer: AC

Explanation

Explanation/Reference:

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

QUESTION 314

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 315

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources
- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 316

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

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

- E. AWS manages cost planning for virtual servers

Correct Answer: AC

Explanation

Explanation/Reference:

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

QUESTION 317

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

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 318

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

Reference:

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

<https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/>

QUESTION 319

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon QuickSight

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 320

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 321

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

Correct Answer: D

Explanation

Explanation/Reference:

Explanation:

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

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

QUESTION 322

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 323

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 324

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups.

Which AWS service will support this use case?

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

Correct Answer: A

Explanation

Explanation/Reference:

Explanation:

Amazon RDS makes it easy to set up, operate, and scale a relational database in the cloud. It provides cost-efficient and resizable capacity while automating time-consuming administration tasks, such as hardware provisioning, database setup, patching, and backups. It frees you to focus on your applications, so you can give them the fast performance, high availability, security, and compatibility that they need.

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

QUESTION 325

A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 326

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server.

Which Amazon EC2 instance pricing option will meet these requirements?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 327

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

Correct Answer: CE

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/crypto/latest/userguide/awscryp-service-hsm.html>
<https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

QUESTION 328

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. Cost Explorer
- C. AWS Budgets
- D. AWS Migration Hub

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf> (26)

QUESTION 329

What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

Correct Answer: BD

Explanation

Explanation/Reference:

QUESTION 330

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

The AWS CloudHSM service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

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

QUESTION 331

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

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 332

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

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference: <https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-database-and-networking-services/>

QUESTION 333

What is a value proposition of the AWS Cloud?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 334

What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 335

What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 336

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which AWS Cloud feature can provide this?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 337

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

Correct Answer: AD

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

QUESTION 338

Amazon Route 53 enables users to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 339

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor

- C. Amazon GuardDuty
- D. Amazon CloudWatch

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 340

A company wants to try a third-party ecommerce solution before deciding to use it long term.

Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 341

Which AWS service is a managed NoSQL database?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 342

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

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

Correct Answer: C

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html

QUESTION 343

A company is hosting a web application in a Docker container on Amazon EC2.

AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 344

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

Which AWS service will improve the customer experience by reducing latency?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 345

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 346

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

- A. AWS Config
- B. VPC Flow Logs
- C. AWS Trusted Advisor

- D. AWS CloudTrail

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 347

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability.

Which service will support these requirements?

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference: <https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

QUESTION 348

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 349

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

- A. Amazon CloudWatch
- B. AWS Config

- C. AWS Trusted Advisor
- D. AWS IAM

Correct Answer: A
Explanation

Explanation/Reference:

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

QUESTION 350

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

Correct Answer: C
Explanation

Explanation/Reference:

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

QUESTION 351

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

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

Correct Answer: AD
Explanation

Explanation/Reference:

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

QUESTION 352

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

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

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

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 353

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.
- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html

QUESTION 354

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 355

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS CloudTrail
- B. Amazon EC2 Auto Scaling
- C. Amazon Forecast
- D. AWS Config

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 356

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering

- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf> (36)

QUESTION 357

Which tool is used to forecast AWS spending?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 358

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

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

QUESTION 359

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

- A. Amazon Alexa
- B. AWS Regions

- C. Amazon Lightsail
- D. AWS Organizations

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 360

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 361

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 362

Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

Correct Answer: CE

Explanation

Explanation/Reference:

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

QUESTION 363

IT systems should be designed to reduce interdependencies, so that a change or failure in one component

does not cascade to other components.

This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling
- C. Automation
- D. Automatic scaling

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf (20)

QUESTION 364

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

- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

Correct Answer: AE

Explanation

Explanation/Reference:

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

QUESTION 365

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

Which AWS storage service should be used?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 366

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances

- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 367

What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.
- D. Automatically adjust the required compute capacity to maintain consistent performance.

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 368

The continual reduction of AWS Cloud pricing is due to:

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

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://read.acloud.guru/there-are-four-reasons-to-explain-how-using-aws-can-change-the-economic-model-of-the-it-services-850dcc8ea1aa?gi=3bcf6cd0e1e2>

QUESTION 369

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements.

How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 370

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 371

What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 372

Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 373

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

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

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 374

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

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 375

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 376

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

Correct Answer: B

Explanation

Explanation/Reference:

Explanation:

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

QUESTION 377

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

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 378

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

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 379

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

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

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 380

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 381

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

Correct Answer: C

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html
<https://aws.amazon.com/iam/>

QUESTION 382

Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

Correct Answer: B

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%20select%20online%20agreements.>

QUESTION 383

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sounding%20human%20speech.>

QUESTION 384

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail

- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 385

A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

- The status of Amazon S3 bucket permissions.
- Whether multi-factor authentication is enabled for the AWS account root user.
- If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report
- D. IAM credential report

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 386

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

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 387

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

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

Correct Answer: C

Explanation

Explanation/Reference:

Explanation:

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time. Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

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

QUESTION 388

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf (12)

QUESTION 389

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 390

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 391

Which features and benefits does the AWS Organizations service provide? (Choose two.)

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

Correct Answer: DE

Explanation

Explanation/Reference:

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

QUESTION 392

Which AWS service is used to automate configuration management using Chef and Puppet?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 393

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

- A. Detailed billing report
- B. Consolidated billing
- C. AWS Cost and Usage report
- D. Cost allocation report

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 394

The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags

- B. estimate savings when comparing the AWS Cloud to an on-premises environment
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 395

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

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

Correct Answer: BD

Explanation

Explanation/Reference:

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

QUESTION 396

Under the AWS shared responsibility model, which of the following are customer responsibilities? (Choose two.)

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

Correct Answer: AC

Explanation

Explanation/Reference:

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

QUESTION 397

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 398

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

What is the MOST efficient way to apply the security patches?

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

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 399

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

Based on this situation, the Amazon EC2 instances should be deployed:

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

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/>

QUESTION 400

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency.

What should the company do to reduce latency?

- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (São Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

Correct Answer: B

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/transit-gateway/>

QUESTION 401

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process.

What is the most appropriate purchasing option?

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

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

QUESTION 402

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 403

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup
- B. Amazon Connect
- C. AWS Direct Connect
- D. AWS Storage Gateway

Correct Answer: D

Explanation

Explanation/Reference:

Reference: <https://aws.amazon.com/storagegateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

QUESTION 404

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 405

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

Correct Answer: D

Explanation

Explanation/Reference:

Reference <https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf> (11)

QUESTION 406

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

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

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 407

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Reference: https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html

QUESTION 408

What is the best resource for a user to find compliance-related information and reports about AWS?

- A. AWS Artifact
- B. AWS Marketplace
- C. Amazon Inspector
- D. AWS Support

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 409

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 410

What is an Availability Zone in AWS?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 411

Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 412

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

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

Correct Answer: B

Explanation

Explanation/Reference:

Reference:

<https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-aws-accounts-and-regions/>

QUESTION 413

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail.

Which AWS service will provide this capability?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 414

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 415

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

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

- E. A secondary key

Correct Answer: AC

Explanation

Explanation/Reference:

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

QUESTION 416

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 417

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department
- D. Use AWS Organizations

Correct Answer: C

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/custom-tags.html#allocation-how>

QUESTION 418

What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 419

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

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 420

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 421

Which tool can be used to monitor AWS service limits?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 422

A company has distributed its workload on both the AWS Cloud and some on-premises servers.

What type of architecture is this?

- A. Virtual private network
- B. Virtual private cloud
- C. Hybrid cloud
- D. Private cloud

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 423

Which of the following describes a security best practice that can be implemented using AWS IAM?

- A. Disable AWS Management Console access for all users
- B. Generate secret keys for every IAM user
- C. Grant permissions to users who are required to perform a given task only
- D. Store AWS credentials within Amazon EC2 instances

Correct Answer: C**Explanation****Explanation/Reference:**

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

QUESTION 424

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub
- D. AWS Well-Architected Tool

Correct Answer: B**Explanation****Explanation/Reference:**

Explanation:

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, well-architected, and ready to use. Control Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

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

QUESTION 425

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

Correct Answer: B**Explanation****Explanation/Reference:**

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

QUESTION 426

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 427

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 428

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

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

Correct Answer: DE

Explanation

Explanation/Reference:

QUESTION 429

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm.

To optimize for cost, which Amazon EC2 purchasing option should be used?

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 430

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

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 431

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 432

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it.

Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 433

What is the purpose of having an internet gateway within a VPC?

- A. To create a VPN connection to the VPC
- B. To allow communication between the VPC and the Internet
- C. To impose bandwidth constraints on internet traffic
- D. To load balance traffic from the Internet across Amazon EC2 instances

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 434

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.
- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 435

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 436

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 437

Which of the following tasks can only be performed after signing in with AWS account root user credentials?
(Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 438

Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 439

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production.

How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 440

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 441

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

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

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 442

A company is launching an e-commerce site that will store and process credit card data. The company requires information about AWS compliance reports and AWS agreements.

Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 443

Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 444

Which AWS service can be used to track unauthorized API calls?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 445

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 446

A user is planning to launch two additional Amazon EC2 instances to increase availability.

Which action should the user take?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 447

A company must store critical business data in Amazon S3 with a backup to another AWS Region.

How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up to the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 448

Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

- A. AWS Budgets
- B. AWS Cost Explorer
- C. AWS Cost Allocation Tags
- D. AWS Organizations

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 449

What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 450

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3.

Which AWS service can meet these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 451

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

Correct Answer: CE

Explanation

Explanation/Reference:

<https://docs.aws.amazon.com/vpn/latest/s2svpn/SetUpVPNConnections.html>

QUESTION 452

Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 453

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 454

What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 455

Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 456

Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 457

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact
- D. AWS Shield

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 458

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

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB

E. Amazon Redshift

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 459

Which AWS managed services can be used to extend an on-premises data center to the AWS network?
(Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 460

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.
- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 461

What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 462

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report.

Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 463

A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.

Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 464

A company has a 500 TB image repository that needs to be transported to AWS for processing.

Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 465

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 466

Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 467

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

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 468

Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 469

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month.

What pricing model is appropriate?

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

Correct Answer: C**Explanation****Explanation/Reference:**

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

QUESTION 470

Which AWS tools automatically forecast future AWS costs?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator
- D. Cost Explorer

Correct Answer: D**Explanation****Explanation/Reference:**

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

QUESTION 471

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

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

Correct Answer: D**Explanation****Explanation/Reference:**

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

QUESTION 472

A user is able to set up a master payer account to view consolidated billing reports through:

- A. AWS Budgets.
- B. Amazon Macie.
- C. Amazon QuickSight.

D. AWS Organizations.

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 473

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 474

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

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

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 475

What is a characteristic of Convertible Reserved Instances (RIs)?

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

Correct Answer: A

Explanation

Explanation/Reference:

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

QUESTION 476

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components

- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 477

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.

What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 478

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

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

QUESTION 479

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

Correct Answer: C

Explanation

Explanation/Reference:

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

QUESTION 480

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.

Which AWS service can be used to meet this requirement?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 481

Which AWS service can be used to track resource changes and establish compliance?

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

Correct Answer: B

Explanation

Explanation/Reference:

Reference: <https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

QUESTION 482

A user has underutilized on-premises resources.

Which AWS Cloud concept can BEST address this issue?

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

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 483

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.

What is the MOST cost-effective pricing model for this workload?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 484

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.

What is the most suitable and cost-effective option for this task?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 485

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 486

A developer has been hired by a large company and needs AWS credentials.

Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

Correct Answer: AE

Explanation

Explanation/Reference:

QUESTION 487

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

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

Correct Answer: D

Explanation

Explanation/Reference:

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

QUESTION 488

Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

Correct Answer: B

Explanation

Explanation/Reference:

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

QUESTION 489

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 490

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

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

D. AWS Config

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 491

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 492

Which task requires using AWS account root user credentials?

- A. Viewing billing information
- B. Changing the AWS Support plan
- C. Starting and stopping Amazon EC2 instances
- D. Opening an AWS Support case

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 493

A company has different AWS accounts for production and development resources.

Which AWS service provides billing for all AWS accounts consolidated into a single payment method?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 494

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components

- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 495

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

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

Correct Answer: AE

Explanation

Explanation/Reference:

QUESTION 496

Which AWS feature or service provides visibility into abuse events that have been reported on a given AWS account?

- A. AWS Trusted Advisor
- B. Amazon GuardDuty
- C. AWS Personal Health Dashboard
- D. Amazon Inspector

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 497

A company wants to expand its content delivery network infrastructure.
Which AWS service should be used?

- A. Amazon S3
- B. Amazon CloudFront
- C. AWS Global Accelerator
- D. Amazon Route 53

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 498

Which benefits are included with the AWS Business Support plan? (Select TWO.)

- A. 24/7 assistance by way of live chat or a telephone call
- B. Support from a dedicated AWS technical account manager
- C. An unlimited number of cases and contacts
- D. 15-minute response time for production system interruption cases
- E. Annual operational reviews with AWS solutions architects

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 499

Which of the following is a cost efficiency principle related to the AWS Cloud?

- A. Right-size services based on capacity requirements.
- B. Use the Billing Dashboard to access information about monthly bills.
- C. Use AWS Organizations to combine the expenses of multiple accounts into a single bill.
- D. Tag all AWS resources.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 500

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 501

AWS can relieve a company's IT staff of which of the following IT tasks? (Select TWO.)

- A. Patching database software
- B. Storage capacity planning
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

Correct Answer: BD

Explanation

Explanation/Reference:

QUESTION 502

What is the total amount of storage offered by Amazon S3?

- A. 100 MB
- B. 5 GB
- C. 5 TB
- D. Unlimited

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 503

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

- A. Amazon EC2
- B. Amazon CloudFront
- C. Amazon Connect
- D. Amazon Route 53

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 504

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 505

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

- A. Enable AWS Multi-Factor Authentication (AWS MFA) for users.

- B. Enable access key sharing among users.
- C. Use inline policies instead of user-managed policies.
- D. Configure strong password policies for users.
- E. Avoid rotating credentials.

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 506

What should a customer do if they suspect AWS resources are being used for suspicious activity?

- A. Contact the account representative
- B. Contact the AWS Abuse team
- C. Contact the AWS Solutions Architect team
- D. Contact the AWS Support Center

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 507

A user is building an application on AWS that requires a backend database. The application requires access to the operating system of the instance where the database is installed in order to run scripts.

Where should the database be hosted if the user's goal is to create minimum management overhead?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 508

Which HTTP status code is returned after a successful REST API request?

- A. 200
- B. 301
- C. 404
- D. 500

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 509

Which disaster recovery option is the LEAST expensive?

- A. Warm Standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 510

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Macie

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 511

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 512

A company is building an application that needs to deliver images and videos globally with minimal latency. Which approach can the company use to accomplish this in a cost effective manner?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 513

Which AWS Cloud design principles can help increase reliability? (Select TWO)

- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures.
- D. Adopting a consumption model
- E. Automatically recovering from failure

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 514

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 515

A company is requesting Payment Card industry (PCI) reports that validate the operating effectiveness of AWS security controls.

How should the company obtain these reports?

- A. Contact AWS Support
- B. Download reports from AWS Artifact
- C. Download reports from AWS Security Hub
- D. Contact an AWS technical account manager (TAM)

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 516

AnyCompany recently purchased Example Corp. Both companies use AWS resources and Any Company wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

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

- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 517

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

Which AWS service or tool can the company use to receive volume discounts across multiple AWS accounts?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 518

A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources.

Which AWS Service the company use?

- A. AWS Config
- B. AWS Secrets Manager
- C. AWS CloudTrail
- D. AWS Trusted Advisor

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 519

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed.
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 520

Which AWS service automatically handles application health monitoring?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 521

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

- A. Amazon CloudFront
- B. Amazon GuardDuty
- C. Amazon Route53
- D. AWS Trusted Advisor

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 522

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

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

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 523

Which AWS services offer compute capabilities? (Select TWO)

- A. Amazon EC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)

- D. Amazon Cognito
- E. AWS Lambda

Correct Answer: AE
Explanation

Explanation/Reference:

QUESTION 524

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

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

Correct Answer: A
Explanation

Explanation/Reference:

QUESTION 525

A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

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

Correct Answer: C
Explanation

Explanation/Reference:

QUESTION 526

How can a user protect an Amazon EC2 instance from a Suspicious IP address?

- A. Block the IP on the inbound rule of a network ACL
- B. Block the IP on the outbound rule of a security group
- C. Block the IP on the inbound rule of a security group and network ACL
- D. Block the IP on the outbound rule of a security group and network ACL

Correct Answer: A
Explanation

Explanation/Reference:

QUESTION 527

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

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

Answer : A

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 528

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 529

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

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Email Service (Amazon SES)
- C. Amazon CloudWatch alerts
- D. Amazon Simple Queue Service (Amazon SQS)

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 530

A user is building a new workload on AWS and wants to estimate the monthly costs.
Which AWS service or tool will provide this information?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage Report

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 531

An external auditor has requested that a company provide a list of all its IAM users, including the status of users credentials and access keys.

What is the SIMPLEST way to provide this information?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 532

Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities?

- A. Configuring operating system firewalls
- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 533

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 534

Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 535

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

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

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 536

What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Select Two)

- A. Preventing a single point failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 537

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 538

A user wants to trigger an AWS Lambda function when an Amazon EC2 instance enters the "stopping" state. Which AWS service is appropriate for this use case?

- A. Amazon EventBridge (Amazon CloudWatch Events)
- B. AWS Config
- C. Amazon Simple Notification Service (Amazon SNS)
- D. AWS CloudFormation

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 539

A company has deployed its static website to the AWS Cloud.

Which service can the company use to ensure the lowest latency for users around the globe?

- A. Amazon CloudFront
- B. Amazon S3
- C. Amazon VPC
- D. AWS Auto Scaling

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 540

A user is building a new workload on AWS and wants to estimate the monthly costs.

Which AWS service or tool will provide this information?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Simple Monthly Calculator
- D. AWS Cost and Usage Report

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 541

How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in the Auto Scaling group.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 542

Which AWS service can be used to retrieve compliance reports on demand?

- A. AWS Secrets Manager
- B. AWS Artifact
- C. AWS Security Hub
- D. AWS Certificate Manager

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 543

A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. Amazon EC2
- D. AWS OpsWorks

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 544

According to security best practice, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 545

Which AWS service will help a company plan a migration to AWS by collecting the configuration, usage, and behavior data of on

- A. AWS Resource Groups
- B. AWS Application Discovery Service
- C. AWS Service Catalog
- D. AWS Systems Manager

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 546

A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances.

What pricing model will minimize cost while ensuring that compute resources remain available?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 547

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 548

Which AWS Trusted Advisor checks are available to users AWS Basic support? (select TWO.)

- A. Service limits
- B. High utilization Amazon EC2
- C. Security groups - specific ports unrestricted
- D. Load balance optimization
- E. Large number of rules in an EC2 security group

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 549

A company learns that a user's API key has been exposed in a public code repository. The user has access to sensitive data.

What is the FIRST step the company should take to ensure the security of its data?

- A. Email the user to inform them of their mistake.
- B. Create a new API key for the user in AWS Identity and Access Management (IAM).
- C. Review the API activity of the key in AWS CloudTrail.
- D. Deactivate the user's API key in AWS Identity and Access Management (IAM).

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 550

Which of the following services can be used to block network traffic to instance? (Select TWO.)

- A. Security groups
- B. Amazon Virtual Private Cloud (Amazon VPC) flow logs
- C. Network ACLs
- D. Amazon CloudWatch
- E. AWS CloudTrail

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 551

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 552

Amazon CloudFront provides low-latency content delivery with the help of.

- A. AWS Regions.
- B. edge
- C. Amazon VPC
- D. Availability Zones.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 553

A user needs to see the status of multiple accounts and must have a comprehensive view of security findings from Amazon GuardDuty, Amazon Inspector, and AWS CloudWatch Metrics. Will these requirements?

- A. AWS x-Ray
- B. AWS Control Tower
- C. Amazon Inspector
- D. AWS security Hub

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 554

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

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 555

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 the case of outage.

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 556

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

- A. Operating configuration
- B. Application management
- C. Platform management
- D. Code encryption

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 557

A company wants to connect to AWS over a private, low-latency connection from its remote office. What is the recommended method to meet these requirements?

- A. Create a VPN tunnel.
- B. Connect across the public internet.
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 558

Which AWS service feature requires an internet service provider (ISP) and a colocation facility to be implemented?

- A. AWS VPN
- B. Amazon Connect
- C. AWS Direct Connect
- D. Internet gateway

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 559

A company has an AWS plan and wants to launch a new application in the AWS Cloud. The company predicts than normal traffic levels within the first 3 days of the launch.

Which AWS program or service will provide the company with dedicated planning and support assistance for this launch?

- A. AWS partner Network (APN)
- B. AWS Activate
- C. AWS Infrastructure Event management
- D. AWS support

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 560

A is a new workload in the AWS Cloud. However, the company first wants to forecast the potential cost.

Which text should the company use to estimate the cost of the workload?

- A. Cost Explorer
- B. AWS Pricing Calculator
- C. AWS Billing and Cost Management dashboard
- D. AWS Cost and Usage Report

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 561

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 562

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 563

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

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

- A. Guard Duty
- B. AWS Shield
- C. AWS Certificate manager (ACM)
- D. AWS Secrets Manager
- E. AWS Key Management Service (AWS KMS)

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 564

Which controls does the customer fully inherit AWS in the AWS shared responsibility model?

- A. Patch management controls
- B. Awareness and training controls
- C. Physical and environmental controls
- D. Configuration management controls

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 565

A company needs guaranteed Amazon EC2 capacity in three specific Availability Zones in a specific AWS Region for an upcoming event that will last 1 week.

What should me company do to guarantee the EC2 capacity?

- A. Purchase Reserved Instances that specify the Region needed.
- B. Create an On-Demand Capacity Reservation that specifies the Region needed.
- C. Purchase Reserved Instances that specify the Region and three Availability Zones needed.
- D. Create an On-Demand Capacity Reservation that specifies the Region and three Availability Zones needed.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 566

A company has two AWS accounts in an organization in AWS Organizations for consolidated billing. All of the company's AWS resources are hosted in one AWS Region.

Account A has purchased five Amazon EC2 Standard Reserved Instances (RIs) and has four EC2 instances running. Account B has not purchased any RIs and also has four EC2 instances running.

Which statement is true regarding pricing for these eight instances?

- A. The eight instances will be charged as regular instances.
- B. Four instances will be charged as RIs, and four will be charged as regular instances.
- C. Five instances will be charged as RIs, and three will be charged as regular instances.

D. The eight instances will be charged as RIs.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 567

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 568

A company wants to push VPC Flow Logs to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket
- B. Managing the data in transit
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 569

A company needs to generate a report that contains all of its AWS users and the status of their various credentials.

Which AWS service or feature should the company use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 570

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 571

Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 572

Which AWS service or feature can a developer use to access AWS services programmatically?

- A. AWS Management Console
- B. AWS software development kits (SDKs)
- C. AWS CodeDeploy
- D. AWS CodePipeline

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 573

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

- A. A 100% service level agreement (SLA) for all AWS services
- B. Compute capacity that is adjusted on demand
- C. Availability of AWS Support for code development
- D. Enhanced security
- E. Increases in cost and complexity

Correct Answer: BD

Explanation

Explanation/Reference:

QUESTION 574

A system administrator wants to add an additional layer of login security to a user's AWS Management Console.

Which AWS service, feature, or tool should the administrator use to accomplish this task?

- A. Amazon Cloud Directory
- B. IAM role
- C. Multi-factor authentication (MFA)
- D. AWS CloudTrail

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 575

A company wants to quickly implement a continuous integration/continuous delivery (CI/CD) pipeline.

Which AWS service will meet this requirement?

- A. AWS Config
- B. Amazon Cognito
- C. AWS DataSync
- D. AWS CodeStar

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 576

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 577

A company wants to push VPC Flow to an Amazon S3 bucket.

Which action is the company's responsibility?

- A. Managing the infrastructure that runs the S3 bucket
- B. Managing the data in transit
- C. Managing the encryption options on the S3 bucket
- D. Managing the operating system updates on the S3 bucket

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 578

A company administrator needs to give users on the development team permission to use the AWS Management Console.

Which AWS service should the administrator use?

- A. AWS Config
- B. AWS Identity and Management (IAM)
- C. Amazon GuardDuty
- D. AWS Shield

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 579

Which actions are best practices for an AWS account root user? (Select TWO).

- A. Share root user credentials with team members.
- B. Create multiple root users for the account, separated by environment.
- C. Enable multi-factor authentication (MFA) on the root user.
- D. Create an IAM user with administrator privileges for daily administrative tasks, instead of using the root user.
- E. Use programmatic access instead of the root user and password.

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 580

Which AWS service enables users to check for vulnerabilities on Amazon EC2 instances by using predefined assessment templates?

- A. AWS WAF
- B. AWS Trusted Advisor
- C. Amazon Inspector
- D. AWS Shield

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 581

According to the AWS shared responsibility model, the customer is responsible for maintaining:

- A. Physical access to the AWS network.
- B. The patching of the host operating system.
- C. Data encryption in Amazon S3.
- D. The operating system for Amazon DynamoDB.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 582

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 583

What should a company use to help predict the cost of running a marketing promotion on AWS infrastructure?

- A. Explorer
- B. AWS Support Center
- C. AWS pricing Calculator
- D. AWS Total cost of Ownership (TCO) Calculator

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 584

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 585

Which AWS service will track user activity on AWS?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 586

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 587

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

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS Batch
- D. AWS config

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 588

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 589

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 590

A user wants to transport data between AWS and an on-premises environment using a private network connection.

Which AWS service or feature can be used to meet these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 591

A user needs a relational database but does not have the resources to manage the hardware, resiliency, replication.

Which AWS service option meets the user's requirements?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 592

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 593

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 594

Which of the following are benefits of using the AWS Cloud instead of on-premises data centers? (Select TWO.)

- A. Unlimited free storage
- B. Pay-as-you-go pricing
- C. Access to physical hardware
- D. One-time upfront cost.
- E. On-demand resource provisioning.

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 595

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 596

What is an IAM best practice for AWS account root user access keys?

- A. Delete all user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to production database instances.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 597

How the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- A. Users do not have to wait for infrastructure provisioning.
- B. The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.
- C. AWS takes over application configuration management on behalf of users.
- D. Users do not need to address security and compliance issues.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 598

Which of the following should be considered when performing a Total cost of Ownership (TCO) analysis?

- A. Currency fluctuations
- B. Data center overhead
- C. Data security
- D. Network utilization

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 599

A company needs to migrate an existing on-premises database to the AWS Cloud. The company must be able to install custom software on the database instance.

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 600

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

- A. Groups can 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 be a member of a single group at one time.
- E. All new users are automatically added to a default group.

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 601

A company runs thousands of simultaneous simulations using AWS Batch. Each simulation is stateless, is fault tolerant, and runs for up to 3 hours.

Which pricing model enables the company to optimize costs and meet these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 602

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

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

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 603

A company needs a storage that:

- Is low-cost.
- Is for infrequently accessed data.
- Quickly accesses data when required.
- Does not require data to be resilient.

Which Amazon S3 storage option should the company use?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 604

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 605

A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 606

A user is building a simple online calculator and wants to use AWS compute as cost-effectively as possible. The calculator must highly available for even a small.

Where should the code for calculations be hosted?

- A. On an Amazon EC2 Memory Optimized Reserved Instance.

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 607

A user needs to import 100 TB of video files into Amazon S3. The user has estimated that it will take months to move the files over an on-premises internet connection.

Which AWS service can be used to improve the data time?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 608

A user wants to deploy a service to the AWS Cloud by using infrastructure-as-code (IAC) principles. Which AWS service can be used to meet this requirement?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 609

What does the AWS Concierge Support team provide?

- A. A technical expert dedicated to the user
- B. A primary point of contact for AWS Billing and AWS Support.
- C. A partner to help provide scaling guidance for an event launch.
- D. A dedicated AWS staff member who reviews the user's application architecture.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 610

Which AWS tool gives users the ability to plan their service costs, and instance reservations, and also allows them to set custom alerts when their costs or usage exceed established thresholds?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Cost and Usage Report
- D. Reserved Instance reporting

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 611

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 612

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 613

A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 614

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

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

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 615

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.

Which AWS service should the company use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 616

A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs).

Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Select TWO.)

- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 617

A company needs to generate a report that contains all of its AWS users and the status of their various credentials.

Which AWS service or feature should the company use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 618

A company wants to adopt AWS Cloud at scale. The company need solutions that will help achieve compliance and implement best practices with day-to-day infrastructure management.

Which AWS service should the company chose to automate patch management and operational overhead and risk?

- A. AWS Security Hub
- B. AWS Systems Manager
- C. Amazon GuardDuty
- D. AWS Managed Services

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 619

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

Which AWS service should the company use?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 620

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 621

A company has refined its workload to use specific AWS services to improve efficiency and reduce cost.

Which best practice for cost government does this example show?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 622

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 623

A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption.

Which AWS infrastructure component should the company replicate across?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 624

A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 625

Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 626

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 627

A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 628

The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 629

Which AWS trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification Setup
- B. Refresh checks
- C. AWS support API
- D. Action links

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 630

A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds.

Which AWS service will meet these requirements?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 631

Which of the following is a characteristic of an AWS Region?

- A. Multiple Regions make up an Availability Zone.
- B. A Region is a logical Collection of edge locations.
- C. There is no charge for data replication across Regions.
- D. Multiple Availability Zone make up a Region.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 632

Which AWS service or feature can be used to monitor for potential disk write spikes on a system running on Amazon EC2?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 633

What does AWS Identity and Access Management (IAM) do?

- A. Delivers data, videos, applications, and APIs to users.
- B. Provides access to on-premises resources
- C. Create and manages public SSL/TLS certificates.
- D. Helps securely control access to AWS resources.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 634

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 635

A company needs to build applications using GraphQL. The applications must have robust databases along with search and compute capabilities.

Which AWS service will support this use case?

- A. Amazon DynamoDB
- B. AWS AppSync
- C. Amazon CloudSearch
- D. AWS Data Pipeline

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 636

An Amazon Connect instance stores call recordings in an Amazon S3 bucket.

Which statement regarding the AWS shared responsibility model applies to this situation?

- A. Amazon is responsible for ensuring that S3 encryption is enabled.
- B. The customer must enable cross-Region replication to be compliant with the Payment Card Industry Data Security Standard (PCI DSS).
- C. The customer is responsible for bucket encryption.
- D. Amazon Support will be able to decrypt the call recordings.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 637

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 638

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 639

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed.
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 640

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 641

How can a user request service limit increases in an AWS account?

- A. Increase the limit by changing AWS account settings.
- B. Create a support case in AWS Support Center
- C. Contact AWS Professional Services
- D. Increase the limit by using AWS Trusted Advisor.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 642

Which actions are the responsibility of AWS under the AWS shared responsibility model? (Select Two)

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

Correct Answer: AE

Explanation

Explanation/Reference:

QUESTION 643

An AWS user wants to proactively detect when an instance or account might be compromised or if there are threats from attacks.

Which AWS service should the user choose?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 644

What is a feature of Amazon Route 53?

- A. Routing users to infrastructure both inside and outside AWS.
- B. Providing a private connection to infrastructure inside AWS.
- C. Providing a private connection to infrastructure outside AWS.
- D. Distributing content across edge locations.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 645

How does AWS help reduce capital expenditures?

- A. AWS provides unlimited free storage and data transfer with a 1-year contract.
- B. AWS Budgets automatically terminate resources when a billing threshold is reached.
- C. Cost Explorer automatically terminates resources responsible for high costs.
- D. AWS offers pay-as-you-go payment models.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 646

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 647

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 648

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

- A. Securing the virtualization layer.
- B. Patching the operating system on Amazon EC2 instances.
- C. Enforcing a strict password policy for IAM users.
- D. Patching the operating system on Amazon RDS instances.
- E. Configuring security groups and network ACLs.

Correct Answer: AB

Explanation

Explanation/Reference:

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

QUESTION 649

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

Which AWS service can facilitate this data transfer?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 650

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 651

What are the market advantages of running workloads in the AWS Cloud? (Select Two)

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

Correct Answer: BD

Explanation

Explanation/Reference:

AD or BD

QUESTION 652

When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Select Two)

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

Correct Answer: AD

Explanation

Explanation/Reference:

Corrected

QUESTION 653

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 654

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 655

An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted.

What is the MOST cost-effective Amazon EC2 pricing option for this application?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 656

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

What database service would MOST effectively support these requirements?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 657

A business analyst is investigating a billing charge for Amazon S3 in an AWS account. Which AWS service or tool can the business analyst use to investigate the charge?

- A. Amazon CloudWatch
- B. AWS Pricing Calculator
- C. Cost Explorer
- D. Savings Plans Coverage Report

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 658

Which encryption types can be used to protect objects at rest in Amazon S3? (Select Two)

- A. Server-side encryption with S3 managed encryption keys (SSE-S3)
- B. Server-side encryption with AWS KMS managed encryption keys (SSE-KMS)
- C. TLS
- D. SSL
- E. Transparent Data Encryption (TDE)

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 659

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 660

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 661

A company is looking for a way to encrypt data stored on Amazon S3. Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 662

Which AWS service will track user activity on AWS?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 663

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 664

A company is running a container-native application and wants to migrate the application to AWS. The company does not want to pay for complete resources that it is not using.
Which AWS solution should the company use to meet these requirements?

- A. Amazon Elastic Container service (Amazon ECS) with a compute engine of Amazon EC2.
- B. Amazon Elastic Container Service (Amazon ECS) with a compute engine of AWS Fargate.
- C. Amazon EC2
- D. AWS Lambda

Correct Answer: B

Explanation

Explanation/Reference:

Not sure

QUESTION 665

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 666

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 667

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

- A. Amazon Redshift

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 668

A company is creating multiple accounts on AWS to run workloads. The company wants to centrally view and manage security alerts and automate compliance checks.

Which AWS service should company use?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. Amazon Inspector
- D. Amazon Detective

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 669

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 670

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 671

A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks.

How can this be resolved?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 672

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

chnaged to CD from DE

QUESTION 673

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

- A. Ensuring IAM users have least privilege access
- B. Managing encryption of user data
- C. Ensuring security of physical data centers
- D. Managing firewall configuration
- E. Protecting the infrastructure that runs AWS services.

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 674

Which AWS service or tool should a company use to forecast AWS spending?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 675

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 676

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

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

Correct Answer: AB

Explanation

Explanation/Reference:

not sure

QUESTION 677

According to the AWS shared responsibility model, which of the following is the responsibility of AWS?

- A. Data encryption in transit
- B. Firmware updates on hardware
- C. Operating system patching on Amazon EC2 instances.
- D. Data encryption at rest

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 678

A company has multiple departments. Each department uses its own AWS account.

Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 679

A company needs access to cloud support engineers 24 hours a day, 7 days a week. What is the LEAST expensive AWS Support plan that meets this requirement?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 680

A cloud practitioner needs to effective methods to decrease application latency and increase performance for end users.

Which services will help? (Select Two)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes.
- B. Amazon S3
- C. Amazon Appstream 2.0
- D. Amazon ElastiCache
- E. Amazon Cloudfront

Correct Answer: DEE

Explanation

Explanation/Reference:

QUESTION 681

A Cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud.

How can these reports be generated?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 682

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

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

Correct Answer: A

Explanation

Explanation/Reference:

Changed from B to A

QUESTION 683

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 684

To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access.

Which AWS service will support this requirement?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 685

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

- A. It simplifies relational database administration tasks.

- B. It provides 99.999999999% reliability and durability.
- C. It automatically scales databases for loads.
- D. It enables users to dynamically adjust CPU and RAM resources.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 686

A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 687

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 688

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency sensitive applications?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 689

A company uses Amazon DynamoDB in its AWS Cloud architecture.

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

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

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 690

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 691

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

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

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 692

What is the security best practice concerning sensitive data stored in Amazon S3?

- A. Enable cross-Region replication on the S3 bucket.
- B. Enable S3 server-side encryption on the S3 bucket.
- C. Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D. Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 693

In which of the following is Amazon Cloudfront content cached?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 694

A company wants high levels of detection and near-real-time (NRT) mitigation against large and sophisticated distributed denial of service (DDoS) attacks on applications running on AWS.

Which AWS service should the company use?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 695

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 696

A company uses Amazon S3 buckets. One of the company's departments enabled S3 Cross-Region Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual.

Which AWS service or feature can the company use to confirm that the cost increase was caused by the data

replication?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 697

Which of the following are benefits of the AWS Business Support plan? (Select Two)

- A. Dedicated AWS technical account manager (TAM)
- B. Response time of less than 15 minutes for business-critical cases
- C. Phone, email, and chat support 24 hours a day, 7 days a week.
- D. Full set of AWS Trusted Advisor best practice checks
- E. Well-Architected reviews

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 698

A company is using AWS Auto Scaling groups to ensure there are enough AWS resources to meet demand for workloads with varying traffic.

Which benefit are the groups providing?

- A. Economies of scale
- B. Agility
- C. Elasticity
- D. Security

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 699

A company needs to migrate an important workload to AWS. Management requires the AWS Support team to respond to business-critical issues in 30 minutes or less.

Which level of AWS Support should the company use?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 700

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 701

Which of the following describes an AWS Region?

- A. A specific location within a geographic area that provides high availability.
- B. A set of data centers spanning multiple countries.
- C. A global picture of a user's cloud computing environment.
- D. A collection of databases that can accessed from a specific geographic area only.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 702

A company needs to migrate all of its development teams to a cloud-based integrated development environment (IDE). Which AWS service should the company use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 703

A company is migrating 200 TB of data from an on-premises data center to AWS. Over time, the company wants to automatically migrate infrequently accessed data to less expensive, long-term storage.

Which Amazon S3 storage class should the company use to meet these requirements?

- A. S3 Intelligent-Tiering
- B. S3 Standard-Infrequent Access (S3 Standard-IA)
- C. S3 Glacier
- D. S3 Standard

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 704

A company needs to send time-critical messages to multiple subscribers through a push mechanism. Which AWS service should the company use?

- A. Amazon Kinesis
- B. Amazon MQ
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon Simple Notification Service (Amazon SNS)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 705

A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.

Which AWS architectural approach will MOST effectively support these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 706

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

Which factor will have the MOST effect on cost?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 707

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

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

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 708

AWS Advisor can monitor and provide advice on what characteristics of an AWS account? (Select TWO.)

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

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 709

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 710

According to the AWS shared responsibility model, which of the following is the customer responsible for when using AWS Lambda?

- A. Physical security of the hardware on which Lambda runs
- B. Upgrades of the programming language versioning
- C. Infrastructure supporting Lambda

- D. Application security of the code uploaded to Lambda

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 711

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

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

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 712

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 713

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select TWO.)

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

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 714

When using Amazon RDS, what is the customer responsible for?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 715

A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients.

Which AWS service should the company use?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 716

A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.

Which EC2 instance pricing model should the company select?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 717

A company is migrating legacy monolithic applications to AWS and building them out as micro services.

Which AWS services or features should the company use to get hands-on support to develop code? (Select Two)

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

E. AWS Marketplace

Correct Answer: AB

Explanation

Explanation/Reference:

QUESTION 718

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 719

A company wants to implement an automated security assessment of the security and network accessibility of its Amazon EC2 instances.

Which AWS service can be used to accomplish this?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 720

Which AWS services help to improve application performance by reducing latency while accessing content globally? (Select TWO)

- A. Amazon CloudFront
- B. AWS VPN
- C. AWS Direct Connect
- D. AWS Global Accelerator
- E. Amazon S3 Glacier

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 721

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 722

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 723

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

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

Correct Answer: CE

Explanation

Explanation/Reference:

QUESTION 724

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 725

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 726

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 727

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 728

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

Which AWS service should the company use to host the databases?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 729

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 730

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 731

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 732

Which of the following is an example of a cost-saving feature of the AWS cloud?

- A. It eliminates the cost of data storage.
- B. It eliminates the cost of auditing and compliance.
- C. It deploys highly available architectures with a global footprint.
- D. It leverages reserved instances.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 733

A company's client-side web application needs to retrieve data from Amazon DynamoDB. Which service or mechanism should the company use to meet this requirement?

- A. AWS CLI
- B. AWS software development kit (SDK)
- C. Infrastructure as code (IaC)
- D. AWS Management Console

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 734

A company wants to improve the overall availability and performance of its applications that are hosted on AWS.

Which AWS service should the company use?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 735

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 736

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 737

A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often.

Which Amazon S3 storage class will MINIMIZE the cost of the system?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 738

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 739

A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS.

Which AWS service or feature should the officer use?

- A. Amazon VPC

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 740

Which AWS service facilitates transporting 50 GB of data from an on-premises data center to an Amazon S3 bucket without using a network connection?

- A. AWS Snowball
- B. AWS CodeDeploy
- C. AWS Backup
- D. AWS Direct Connect

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 741

Which AWS service does AWS Snowball Edge natively support?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 742

Which AWS service continuously audits AWS resources and enables them to assess overall compliance?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 743

Which AWS service shows whether an Amazon EC2 instance has failed status checks?

- A. AWS CloudTrail
- B. Amazon CloudWatch
- C. AWS Service Health Dashboard
- D. AWS Cloud Map

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 744

Which of the following are economic benefits of using the AWS Cloud? (Select Two)

- A. Consumption-based pricing
- B. Perpetual licenses
- C. Economies of scale
- D. AWS Enterprise Support at no additional cost
- E. Bring-your-own hardware model

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 745

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

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 746

A company uses AWS Direct Connect and wants to establish connectivity that spans VPCs across multiple AWS Regions.

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 747

A user has an AWS account with a Business-level AWS support plan and needs assistance with handling a production service disruption.

Which action should the user take?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 748

A company must process a large amount of data from social media accounts by making graphical queries with high throughput.

Which AWS service will help the company design a cloud architecture that will meet these requirements?

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 749

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Select Two)

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

Correct Answer: AE

Explanation

Explanation/Reference:

QUESTION 750

A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.

Which AWS services or resources should the company use? (Select Two)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

Correct Answer: CD

Explanation

Explanation/Reference:

QUESTION 751

A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales.

Which AWS service, tool, or feature should the company use to meet this requirement?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 752

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 753

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 754

Which of the following are advantages of the AWS cloud? (Select Two)

- A. AWS management of user-owned infrastructure.
- B. Ability to quickly change required capacity
- C. High economies of scale
- D. Increased deployment time to market
- E. Increased fixed expenses

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 755

A developer is writing a new application that consists of multiple AWS microservices. During quality assurance testing, the developer notices runtime errors in several areas of the application.

Which AWS service should the developer use to help troubleshoot the errors?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 756

A company wants an in-memory data store that is compatible with open source in the cloud.

Which AWS service should the company use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 757

A company needs to improve the response rate of high-volume queries to its relational database.

Which AWS service should the company use to offload requests to the database and improve overall response times?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 758

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 759

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 760

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

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 761

Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 762

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

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 763

A company with AWS Enterprise Support has questions about its consolidated bill.

Which AWS service, feature, or tool should the company use for assistance?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 764

A database engineer wants to use Provisioned IOPS storage for an online transaction processing (OLTP) database workload on production.

Which AWS service should the engineer use?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 765

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

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 766

To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources.

Which AWS service will meet these requirements?

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

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 767

Which operations help reduce costs when a company moves to the AWS Cloud? (Select Two)

- A. Right-Sizing infrastructure
- B. Trading fixed costs for variable costs
- C. Matching supply and demand
- D. Applying tagging strategies
- E. Designing highly available architectures

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 768

Which AWS service enables the decoupling and scaling of applications?

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

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 769

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

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

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 770

Which cloud computing advantage is a company applying when it uses AWS Regions to increase application availability to users in different countries?

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

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 771

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

- A. Amazon DynamoDB
- B. Amazon EC2 instances
- C. Amazon RDS instances
- D. Amazon S3

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 772

Which AWS service provides proactive recommendations for environment optimization?

- A. AWS Trusted Advisor
- B. AWS Artifact
- C. AWS Config
- D. AWS X-Ray

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 773

A company manages an on-premises MySQL database on a Windows server. The company wants to migrate the database to AWS and needs a solution that will reduce the administrative overhead of the database. Which AWS service will meet this requirement?

- A. Amazon Redshift
- B. Amazon ElastiCache
- C. Amazon RDS
- D. Amazon Elastic File system (Amazon EFS)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 774

How long have you worked with AWS technology?

- A. Less than one year
- B. 1 year to less than 2 years
- C. 2 years to less than 5 years
- D. 5 years or more

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 775

Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

- A. Amazon EMR
- B. Amazon EC2
- C. AWS Elastic Beanstalk
- D. Amazon Redshift

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 776

Which cloud characteristics enable a company to provision or release computing capacity as required? (Select Two)

- A. Scalability
- B. Economies of scale
- C. Elasticity
- D. Agility
- E. Reliability

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 777

A company needs to track its AWS account user activity and expedite responses to auditor requests.

Which AWS service should the company use to meet these requirements?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Config
- D. Amazon Inspector

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 778

A company wants to launch its workload on AWS and requires the system to automatically recover from failure.

Which pillar Of the AWS Well-Architected Framework includes this requirement?

- A. Cost optimization
- B. Operational excellence
- C. Performance efficiency
- D. Reliability

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 779

Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

- A. Security
- B. Reliability
- C. Performance efficiency
- D. Cost optimization

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 780

A company needs to simultaneously process hundreds of requests from different users. Which combination of AWS services should the use to build an efficient solution?

- A. Amazon Simple Queue Service (Amazon SQS) and AWS Lambda
- B. AWS Data Pipeline and Amazon EC2
- C. Amazon Kinesis and Amazon Athena
- D. AWS Amplify and AWS AppSync

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 781

A customer is deploying a new serverless application running on AWS Lambda.

Which of following are the customer's under the AWS shared responsibility model? (Select TWO.)

- A. Application management
- B. Platform management
- C. Application identity and access
- D. Storage infrastructure
- E. AWS infrastructure

Correct Answer: AC

Explanation

Explanation/Reference:

QUESTION 782

A company uses Amazon EC2 instances and wants to maintain high availability in distributed locations.

Which choice should the company make for the location of its EC2 instances?

- A. Use a single Availability Zone in multiple edge locations.
- B. Use multiple Availability Zones in multiple AWS Regions.
- C. Use multiple Availability Zones in a single AWS Region.

D. Use multiple Availability Zones in multiple edge locations.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 783

A company has a stateless application that can handle interruptions. The application must be available all day and night. Traffic increases heavily during business hours.

Which instance types base and peak traffic are MOST to meet these requirements?

- A. Reserved Instances for both the base and traffic
- B. Instances Instances for base traffic and Spot Instances for traffic using an Amazon EC2 Fleet
- C. On-Demand Instances for base traffic and On-Demand Instances with auto scaling for peak traffic
- D. On-Demand Instances for base traffic and Spot Instances for peak traffic using an Amazon EC2 Fleet

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 784

A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups.

Which AWS service should the officer use?

- A. Amazon GuardDuty
- B. AWS Trusted Advisor
- C. AWS CloudTrail
- D. AWS Artifact

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 785

A company with AWS Enterprise Support has questions about its consolidated bill.

Which AWS service, feature, or tool should the company use for assistance?

- A. AWS Pricing Calculator
- B. AWS Concierge Support
- C. AWS Trusted Advisor
- D. AWS Budgets

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 786

A company wants to implement an automated security assessment of the security and network accessibility of its Amazon EC2 instances.

Which AWS service can be used to accomplish this?

- A. Amazon Inspector
- B. AWS Config
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 787

According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda.
- B. Updating the operating system of Amazon DynamoDB instances.
- C. Maintaining Amazon S3 infrastructure.
- D. Updating the guest operating system on Amazon EC2 instances.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 788

A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.

Which service will meet these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. AWS CloudFormation

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 789

Service control policies (SCPs) manage permissions for which of the following?

- A. Availability Zones
- B. AWS Regions
- C. AWS Organizations
- D. Edge locations

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 790

Which Amazon S3 storage Class allows users to store data backups for long periods of time at the LOWEST cost?

- A. S3 Standard-Infrequent Access (S3 Standard-IA)
- B. S3 Standard
- C. S3 Glacier
- D. S3 One Zone-Infrequent Access (S3 One Zone-IA)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 791

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

- A. Cost allocation tags
- B. Key pairs
- C. Amazon Inspector
- D. AWS Trusted Advisor

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 792

Which AWS service uses a combination of publishers and subscribers?

- A. AWS Lambda
- B. Amazon Simple Notification Serve (Amazon SNS)
- C. Amazon CloudWatch
- D. AWS CloudFormation

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 793

A company must compare the cost of running a MySQL database on an Amazon EC2 instance and Amazon RDS DB instance Which AWS service or tool should the company

- A. AWS Budgets
- B. AWS Control Tower

- C. AWS outposts
- D. AWS Pricing Calculator

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 794

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores.

How can the company meet this requirement in the AWS Cloud?

- A. Launch an Amazon EC2 instance with default tenancy
- B. Launch an Amazon EC2 instance on a Dedicated Host.
- C. Create an On-Demand Capacity Reservation.
- D. Purchase Dedicated Reserved Instances.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 795

Which databases are available on Amazon RDS? (Select Two)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

Correct Answer: BE

Explanation

Explanation/Reference:

QUESTION 796

Who pays for usage incurred by users under a member account in an organization in AWS Organizations?

- A. The owner of the member account pays for all usage.
- B. The owners of the master account and the member account share the usage.
- C. The owner of the master account pays for all usage.
- D. The owner of the member account pays for usage that exceeds the thresholds set in AWS Budgets.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 797

What is a benefit of using AWS serverless computing?

- A. Application deployment and management are not required.
- B. Application security will fully managed by AWS
- C. Monitoring and logging are not needed
- D. Management of infrastructure is offloaded to AWS.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 798

Which AWS services or features can control VPC traffic? (Select TWO.)

- A. Security groups
- B. AWS Direct Connect
- C. Amazon GuardDuty
- D. Network ACLs
- E. Amazon Connect

Correct Answer: AD

Explanation

Explanation/Reference:

QUESTION 799

A company needs its finance team to receive a notification when the monthly bill reaches a preset limit. What should the company do to meet this requirement?

- A. Request that the AWS technical account manager (TAM) monitor the billing and notify the finance team.
- B. Use Amazon Simple Notification Service (Amazon SNS) to notify the finance team.
- C. Use Service Quotas to set limits and enable an automatic notification for the finance team.
- D. Enable AWS Budgets with an alert to notify the finance team.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 800

A user to frequently access objects that require high durability.

Which Amazon S3 storage class should the user choose?

- A. S3 Standard
- B. S3 Glacier
- C. Reduced Redundancy storage (RRS)
- D. S3 Intelligent-Tiering

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 801

Which AWS service or feature enables users to get one bill and easily track for multiple AWS accounts?

- A. AWS Organizations
- B. Cost Explorer
- C. AWS Trusted Advisor
- D. AWS Management Console

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 802

A company wants to allocate AWS costs across three departments that use AWS for separate business purposes.

Which account structure would enable the company to maintain a central view of all three accounts while keeping each account independent from the others?

- A. Use AWS Organizations. Create one account and use cost allocation tagging to allocate costs.
- B. Use AWS Organizations. Create three accounts and use consolidated billing to view allocated costs.
- C. Use AWS Identity and Access Management (IAM). Create three accounts and use the monthly cost allocation report to view allocated costs.
- D. Use AWS Identity and Management (IAM). Create one account and use the monthly cost allocation report to view allocated costs.

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 803

Which of the following are customer responsibilities under the AWS shared responsibility model? (Select TWO.)

- A. Physical security of AWS facilities
- B. Configuration of security groups.
- C. Encryption of customer data on AWS
- D. Management of AWS Lambda infrastructure
- E. Management of network throughput of each AWS Region.

Correct Answer: BC

Explanation

Explanation/Reference:

QUESTION 804

A company is a migration from on premises to the AWS Cloud. The company's IT team needs to offload

support of the workload.

What should the IT team do to accomplish this goal?

- A. Use AWS Managed Services to provision, run, and support the company infrastructure.
- B. Build hardware refreshes into the operational calendar to ensure availability.
- C. Use Amazon Elastic Container Service (Amazon ECS) on Amazon EC2 instances.
- D. Overprovision compute capacity for seasonal events and traffic spikes to prevent downtime.

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 805

What does Amazon CloudFront provide?

- A. Automatic scaling for all to power an application from a single unified interface.
- B. Secure delivery of data, videos, applications, and APIs to users globally with low latency.
- C. Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo DNS, geoproximity, and weighted round robin.
- D. Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, IP addresses, and AWS Lambda functions.

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 806

A company runs its business-critical web application on Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB. The workload spikes up to 10 times the normal workload multiple times during the day. Which AWS Cloud feature enables the company to meet these changes in demand?

- A. Agility
- B. Global reach
- C. Scalability
- D. Security

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 807

Which duty is a responsibility of AWS under the AWS shared responsibility model?

- A. Identity and access management
- B. Server-side encryption (SSE)
- C. Firewall configuration
- D. Maintaining physical hardware

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 808

A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time.

Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?

- A. VPC endpoints
- B. AWS Transit Gateway
- C. Amazon Route 53
- D. AWS Secrets Manager

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 809

Which AWS service is a fully hosted version control service?

- A. AWS CodeCommit
- B. AWS CodeBuild
- C. AWS CodeDeploy
- D. AWS CodeStar

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 810

A company needs help managing multiple AWS linked accounts that are reported on a consolidated bill.

Which AWS Support plan includes an AWS concierge whom the company can ask for assistance?

- A. AWS Developer Support
- B. AWS Enterprise Support
- C. AWS Business Support
- D. AWS Basic Support

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 811

Which AWS service or feature offers the ability to automatically create new AWS accounts?

- A. Cost Explorer
- B. AWS Organizations
- C. Amazon SageMaker
- D. Amazon CloudFront

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 812

An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting.

Which AWS service should the administrator use to address these concerns?

- A. AWS WAF
- B. Amazon VPC
- C. Amazon GuardDuty
- D. Amazon CloudWatch

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 813

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts.

Which AWS service should the company use to achieve this goal?

- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 814

A security engineer wants a single-tenant AWS solution to create, control, and manage their own cryptographic keys to meet regulatory compliance requirements for data security.

Which AWS service should the engineer use?

- A. AWS key Management Service (AWS KMS)
- B. AWS certificate Manager (ACM)
- C. AWS CloudHSM
- D. AWS systems Manager

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 815

A company is required to store its data close to its primary users.
Which benefit of the AWS Cloud supports this requirement?

- A. Security
- B. High availability
- C. Elasticity
- D. Global footprint

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 816

A company is planning to migrate to AWS and wants to ensure its data is encrypted at rest.
Which AWS service requires the company to specifically enable encryption at rest?

- A. AWS CloudTrail
- B. Amazon S3
- C. AWS Storage Gateway
- D. AWS Backup

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 817

A company wants to use a serverless compute engine for containers. The company needs the service to automatically allocate the correct amount of compute.
Which AWS service should the company use?

- A. Amazon Elastic Kubernetes Service (Amazon EKS)
- B. Amazon Elastic Container Service (Amazon ECS)
- C. AWS Fargate
- D. AWS Lambda

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 818

Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 819

Which pillar of the AWS Well-Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (IaC)?

- A. Operation excellence
- B. Reliability
- C. Performance efficiency
- D. Security

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 820

A company wants to maintain bandwidth throughput and provide a more consistent network experience than public internet-based connections.

Which AWS service should the company choose?

- A. AWS VPN
- B. AWS Direct Connect
- C. Amazon Connect
- D. Amazon CloudFront

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 821

A company with an AWS Business Support plan wants to identify Amazon EC2 Reserved Instances that are scheduled to expire.

Which AWS service or feature can the company use to accomplish this goal?

- A. AWS Personal Health Dashboard
- B. Elastic Load Balancing health checks
- C. AWS Trusted Advisor
- D. EC2 instance status checks

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 822

A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS.

Which AWS service should the company use to meet these requirements?

- A. AWS Device Farm
- B. AWS Fargate
- C. AWS Outposts
- D. AWS Ground Station

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 823

What is an example of a decoupled, scalable, cloud-based application?

- A. A mail and log application that runs on a single Amazon EC2 instance.
- B. A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database.
- C. An Application Load Balancer, web server, and database server that support a monolithic application.
- D. A legacy database server that is running on the maximum instance size supported by its license

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 824

Which AWS service provides a report that enables users to assess AWS infrastructure compliance?

- A. AWS Certificate Manager (ACM)
- B. Amazon DocumentDB (with MongoDB compatibility)
- C. AWS Artifact
- D. AWS Trusted Advisor

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 825

A company recently purchased a domain name and wants Amazon to manage the DNS records. Which AWS service should the company use?

- A. AWS config
- B. AWS CloudFormation
- C. Amazon Route 53
- D. AWS Identity and Access Management (IAM)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 826

Which AWS service or feature natively provides an encrypted connection that can be used to move data from on-premises infrastructure to the AWS Cloud?

- A. AWS Direct Connect
- B. VPC endpoint
- C. AWS VPN
- D. AWS PrivateLink

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 827

Which of the following is a component of AWS global infrastructure?

- A. Edge locations
- B. Network ACLs
- C. Placement groups
- D. Subnets

Correct Answer: A

Explanation

Explanation/Reference:

QUESTION 828

A company is running workloads for multiple departments within a single VPC. The company needs to be able to bill each department for its resource usage.

Which action should the company take to accomplish this goal with the LEAST operational overhead?

- A. Add a department tag to each resource and configure cost allocation tags.
- B. Move each department resource to its own VPC.
- C. Move each department resource to its own AWS account.
- D. Use AWS Organizations to get a billing report for each department.

Correct Answer: D

Explanation

Explanation/Reference:

QUESTION 829

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help? (Select TWO.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

Correct Answer: DE

Explanation

Explanation/Reference:

QUESTION 830

Which AWS service or simplifies the creation, maintenance, validation, sharing, and deployment of Linux or Windows Server templates for use with Amazon EC2 and on-premises VMs?

- A. AWS CodePipeline
- B. Amazon EC2 Image Builder
- C. AWS CloudFormation
- D. Amazon EC2 Amazon Machine Image (AMI)

Correct Answer: C

Explanation

Explanation/Reference:

QUESTION 831

A company wants durable storage for static content and infinitely scalable data storage infrastructure at the lowest cost.

Which AWS service should the company choose?

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. AWS Storage Gateway
- D. Amazon Elastic File System (Amazon EFS)

Correct Answer: B

Explanation

Explanation/Reference:

QUESTION 832

Elasticity in the AWS Cloud refers to which of the following? (Select TWO.)

- A. How quickly an Amazon EC2 instance can be restarted
- B. The ability to rightsize resources as demand shifts

- C. The maximum amount of RAM an Amazon EC2 instance can use
- D. The pay-as-you-go billing model
- E. How easily resources can be procured when they are needed

Correct Answer: BE

Explanation

Explanation/Reference:

Dump4Pass

Question 1:

Skipped

Which AWS service enables application decoupling?

-
- **A. AWS Config**
-
- **B. Amazon Simple Queue Service (Amazon SQS)**
(Correct)
-
- **C. AWS Batch**
-
- **D. Amazon Simple Email Service (Amazon SES)**

Explanation

It is B , Only logical choice used with application runtimes

Question 2:

Skipped

A business want to migrate current software licenses to AWS, however the licensing strategy involves licensing physical cores.How can the organization do this in the AWS Cloud?

-
- **A. Launch an Amazon EC2 instance with default tenancy.**
- **B. Launch an Amazon EC2 instance on a Dedicated Host.**
(Correct)
-
- **C. Create an On-Demand Capacity Reservation.**
-
- **D. Purchase Dedicated Reserved Instances.**

Explanation

B: To help facilitate the maximum benefit of a customer's existing Microsoft licensing, AWS provides multiple options to utilize BYOL EC2 Dedicated Hosts and Dedicated Instances expose the physical cores of the server to Windows and applications such as SQL Server while allowing licenses with or without Software Assurance to be utilized. Bare Metal as well as VMware on AWS can minimize additional licensing costs.

Question 3:

Skipped

Which Amazon Web Services (AWS) service may be used to securely store and manage source code versions?

-
- A. AWS CodeBuild**
-
- B. AWS CodeCommit**
- (Correct)**
-
- C. AWS CodePipeline**
-
- D. AWS CodeStar**

Explanation

<https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html>

Question 4:

Skipped

A business's operations are conducted on-site. The business want to anticipate the costs associated with hosting a major application on AWS. Which AWS service or tool does the business have access to in order to collect this information?

-
- A. AWS Pricing Calculator**
- (Correct)**
-
- B. AWS Budgets**

-

C. AWS Trusted Advisor

-

D. Cost Explorer

Explanation

since the company has never used aws before the answer is A AWS Pricing Calculator is a web-based planning tool that you can use to create estimates for your AWS use cases. You can use it to model your solutions before building them, explore the AWS service price points, and review the calculations behind your estimates. You can use it to help you plan how you spend, find cost saving opportunities, and make informed decisions when using Amazon Web Services. AWS Pricing Calculator is useful for those who have never used AWS. It's also useful for those who want to reorganize or expand their AWS usage. You don't need any experience with the cloud or AWS to use AWS Pricing Calculator.

Question 5:

Skipped

Which acts exemplify excellent practices for AWS IAM use? (Select two.)

-

A. Configure a strong password policy

(Correct)

-

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

(Correct)

-

E. Avoid using IAM roles to delegate permissions

Explanation

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

Question 6:

Skipped

Which AWS services may be protected against typical online exploitations using AWS WAF? (Select two.)

-

A. Amazon Route 53

-

B. Amazon CloudFront

(Correct)

-

C. AWS Transfer Family

-

D. AWS Site-to-Site VPN

-

E. Amazon API Gateway

(Correct)

Explanation

<https://aws.amazon.com/waf/>

Question 7:

Skipped

Which service offers nearly infinite online storage for very durable objects?

-

A. Amazon Redshift

-

B. Amazon Elastic File System (Amazon EFS)

-

C. Amazon Elastic Container Service (Amazon ECS)

-

D. Amazon S3

(Correct)

Explanation

Amazon S3 is object storage built to store and retrieve any amount of data from anywhere on the Internet. It's a simple storage service that offers an extremely durable, highly available, and infinitely scalable data storage infrastructure at very low costs. <https://aws.amazon.com/s3/faqs/>

Question 8:

Skipped

Which AWS services are available for file storage? (Select two.)

-

A. Amazon S3

(Correct)

-

B. AWS Lambda

-

C. Amazon Elastic Block Store (Amazon EBS)

(Correct)

-

D. Amazon SageMaker

-

E. AWS Storage Gateway

Explanation

<https://intellipaat.com/community/58120/which-aws-services-can-be-used-to-store-files>

Question 9:

Skipped

Which storage service can be utilized to host static webpages at a minimal cost?

-

A. Amazon Glacier

-

B. Amazon DynamoDB

-

C. Amazon Elastic File System (Amazon EFS)

-

D. Amazon Simple Storage Service (Amazon S3)

(Correct)

Explanation

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/WebsiteHosting.html>

Question 10:

Skipped

Which of the following is a method for enhancing AWS security? (Select two.)

-

A. Using AWS Artifact

-

B. Granting the broadest permissions to all IAM roles

-

C. Running application code with AWS Cloud9

-

D. Enabling multi-factor authentication (MFA) with Amazon Cognito

(Correct)

-

E. Using AWS Trusted Advisor security checks

(Correct)

Explanation

<https://aws.amazon.com/blogs/security/top-10-security-items-to-improve-in-your-aws-account/>

Question 11:

Skipped

Which AWS service or functionality is by default highly available?

-
- **A. Amazon EC2**
-
- **B. Amazon Aurora**
- (Correct)
-
- **C. NAT instances**
-
- **D. Amazon RDS**

Explanation

Amazon Aurora is designed to offer 99.99% availability, replicating 6 copies of your data across 3 Availability Zones and backing up your data continuously to Amazon S3. It transparently recovers from physical storage failures; instance failover typically takes less than 30 seconds. You can also backtrack within seconds to a previous point in time to recover from user errors. With Global Database, a single Aurora database can span multiple AWS Regions to enable fast local reads and quick disaster recovery. <https://aws.amazon.com/rds/aurora/> Answer is not D since RDS includes multiple different database options and not all of them has full availability.

Question 12:

Skipped

What are the immediate advantages of AWS Cloud computing? (Select two.)

-
- **A. Increased IT staff.**
-
- **B. Capital expenses are replaced with variable expenses.**
- (Correct)
-

C. User control of infrastructure.

-

D. Increased agility.

(Correct)

-

E. AWS holds responsibility for security in the cloud.

Explanation

Should be B and D. Infrastructure is not controlled by user...

Question 13:

Skipped

A business has a stateless application workload that can withstand brief periods of outage. The program conducts calculations in massively parallel fashion. Which Amazon EC2 pricing model should the business choose to save costs?

-

A. On-Demand Instances

-

B. Spot Instances

(Correct)

-

C. Reserved Instances

-

D. Dedicated Instances

Explanation

<https://developer.ibm.com/recipes/tutorials/making-the-most-of-aws-spot-instances-5-best-practices/>

Question 14:

Skipped

A big firm often has a single Amazon Web Services (AWS) account. What are the benefits of repurposing a single AWS account to create additional AWS accounts? (Select two.)

-

A. It allows for administrative isolation between different workloads.

(Correct)

-

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.

(Correct)

-

E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

Explanation

<https://docs.aws.amazon.com/whitepapers/latest/organizing-your-aws-environment/benefits-of-using-multiple-aws-accounts.html#apply-distinct-security-controls-by-environment>

Question 15:

Skipped

How can a business use AWS to lower its Total Cost of Ownership (TCO)?

-

A. By minimizing large capital expenditures

(Correct)

-

B. By having no responsibility for third-party license costs

-

C. By having no operational expenditures

-

D. By having AWS manage applications

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 16:

Skipped

A business wishes to deliver managed Windows virtual desktops and programs through secure network connections to its distant workers. Which AWS services does the business have access to in order to achieve these requirements? (Select two.)

-

A. Amazon Connect

-

B. Amazon AppStream 2.0

(Correct)

-

C. Amazon WorkSpaces

(Correct)

-

D. AWS Site-to-Site VPN

-

E. Amazon Elastic Container Service (Amazon ECS)

Explanation

B & C because Workspaces : • Fully managed VDI and desktop available • The users connect to the VDI and open native or WAM applications • Workspaces are on-demand or always on AppStream 2.0 : • Stream a desktop application to web browsers (no need to connect to a VDI) • Works with any device (that has a web browser) • Allow to configure an instance type per application type (CPU, RAM, GPU)

Question 17:

Skipped

What does AWS's obligation under the shared responsibility paradigm entail?

-
- **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.**
(Correct)
-
- **D. Updating the security group rules to block traffic to the vulnerable ports.**

Explanation

<https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>
Question 18:

Skipped

How can a client strengthen the security of their Amazon Web Services (AWS) account logons? (Select two.)

- **A. Configure AWS Certificate Manager**
- **B. Enable Multi-Factor Authentication (MFA)**
(Correct)
- **C. Use Amazon Cognito to manage access**
- **D. Configure a strong password policy**
(Correct)
-

E. Enable AWS Organizations

Explanation

B and D - it's in the linked article .

<https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>: "Using Amazon Cognito, you can generate temporary access credentials for your CLIENTS to access AWS services, eliminating the need to store long-term credentials in CLIENT applications." Since this question is about AWS logons, not client accounts, it can't be C - the equivalent of C for AWS logons would be to use STS which grants temporary access via tokens.

Question 19:

Skipped

A business employs Amazon EC2 infrastructure to host steady-state workloads and is looking to save money. Which pricing model for EC2 instances should the business choose?

-

A. Reserved Instances

(Correct)

-

B. On-Demand Instances

-

C. Spot Instances

-

D. Dedicated Hosts

Explanation

We recommend Reserved Instances for the following: Instances that must be online all the time and have steady or predictable traffic Any baseline usage, while using On-Demand or Spot Instances for bursts Applications that might require reserved capacity Customers who can commit to using EC2 over a one-year or 3-year term .

<https://aws.amazon.com/blogs/startups/optimizing-your-costs-for-aws-services-part-1/>

Question 20:

Skipped

What is an example of AWS Cloud's high availability?

-

A. Consulting AWS technical support at any time day or night

-

B. Ensuring an application remains accessible, even if a resource fails

(Correct)

-

C. Making any AWS service available for use by paying on demand

-

D. Deploying in any part of the world using AWS Regions

Explanation

Ensuring an application remains available even if one resource fails means introducing redundancy. Ref: <https://aws.amazon.com/blogs/startups/high-availability-for-mere-mortals/>

Question 21:

Skipped

Which of the following guidelines constitutes a well-architected design philosophy for cloud application development?

-

A. Keep static data closer to compute resources.

-

B. Provision resources for peak capacity.

-

C. Design for automated recovery from failure.

(Correct)

-

D. Use tightly coupled components.

Explanation

Refer to <https://wa.aws.amazon.com/wat.pillar.reliability.en.html> Automatically recover from failure: By monitoring a workload for key performance indicators (KPIs), you can trigger automation when a threshold is breached. These KPIs should be a measure of business value, not of the technical aspects of the operation of the service. This allows for automatic notification and tracking of failures, and for automated recovery processes that work around or repair the failure. With more

sophisticated automation, it's possible to anticipate and remediate failures before they occur.

Question 22:

Skipped

Which AWS services aid in application performance optimization by lowering latency associated with global content access? (Select two.)

-

A. Amazon CloudFront

(Correct)

-

B. AWS VPN

-

C. AWS Direct Connect

-

D. AWS Global Accelerator

(Correct)

-

E. Amazon S3 Glacier

Explanation

<https://aws.amazon.com/blogs/networking-and-content-delivery/achieve-up-to-60-better-performance-for-internet-traffic-with-aws-global-accelerator/>

Question 23:

Skipped

Which tool may be used to track planned AWS infrastructure changes?

-

A. AWS Personal Health Dashboard

-

B. AWS Trusted Advisor

-

C. Billing Dashboard

-

D. AWS Config

(Correct)

Question 24:

Skipped

A business wants to establish templates that it may reuse when deploying numerous AWS resources. Which Amazon Web Services (AWS) offering or functionality can the business employ to achieve this requirement?

-

A. AWS Marketplace

-

B. Amazon Machine Image (AMI)

-

C. AWS CloudFormation

(Correct)

-

D. AWS OpsWorks

Explanation

After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments. Reference:
<https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/best-practices.html>

Question 25:

Skipped

Which of the following allows customers to programmatically access the power of AWS services?

-

A. AWS Command Line Interface (AWS CLI)

(Correct)

- -
 -
 -
- B. AWS Trusted Advisor**
- C. AWS CodeDeploy**
- D. AWS Management Console**

Explanation

Programmatical Access is provided by CLI not Management Console

Question 26:

Skipped

Which AWS services enable users to link their AWS Cloud resources to their on-premises resources? (Select two.)

- **A. AWS VPN**
(Correct)
- **B. Amazon Connect**
- **C. Amazon Cognito**
- **D. AWS Direct Connect**
(Correct)
- **E. AWS Managed Services**

Explanation

Reference: <https://aws.amazon.com/directconnect/>

<https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/>

Question 27:

Skipped

The following are the economical advantages of using AWS: (Choose two.)

-
- A. reduced Total Cost of Ownership (TCO).
- (Correct)
-
- B. increased capital expenditure (capex).
-
- C. reduced operational expenditure (opex).
-
- D. deferred payment plans for startups.
-
- E. business credit lines for startups.

(Correct)

Explanation

A and E are correct: E source: <https://aws.amazon.com/activate/> C is not correct, AWS Increase OPEX and decrease CAPEX.

Question 28:

Skipped

Which AWS services are globally specified rather than regionally defined? (Select two.)

-
- A. Amazon Route 53
- (Correct)
-
- B. Amazon EC2
-
- C. Amazon S3

-

D. Amazon CloudFront

(Correct)

-

E. Amazon DynamoDB

Explanation

<http://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/>

Question 29:

Skipped

Which AWS IAM feature is used to link numerous users with a set of permissions?

-

A. Multi-factor authentication

-

B. Groups

(Correct)

-

C. Password policies

-

D. Access keys

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 30:

Skipped

A media business want to disseminate video material through the internet to millions of viewers globally. The organization wishes to use AWS's worldwide network backbone in order to deliver cached material with minimal latency and fast data transfer rates. Which AWS service will satisfy these criteria?

-

A. Amazon CloudFront

(Correct)

-

B. AWS Global Accelerator

-

C. AWS Direct Connect

-

D. Amazon Connect

Explanation

A: AWS Global Accelerator and Amazon CloudFront are separate services that use the AWS global network and its edge locations around the world. CloudFront improves performance for both cacheable content (such as images and videos) and dynamic content (such as API acceleration and dynamic site delivery). Global Accelerator improves performance for a wide range of applications over TCP or UDP by proxying packets at the edge to applications running in one or more AWS Regions. Global Accelerator is a good fit for non-HTTP use cases, such as gaming (UDP), IoT (MQTT), or Voice over IP, as well as for HTTP use cases that specifically require static IP addresses or deterministic, fast regional failover. Both services integrate with AWS Shield for DDoS protection. Keyword "Cached"

Question 31:

Skipped

Which actions should a user take if he or she detects a hacked AWS account?
(Make a selection of at least two.)

-

A. Remove any multi-factor authentication (MFA) tokens.

-

B. Rotate and delete all AWS access keys.

(Correct)

-

C. Move resources to a different AWS Region.

-

D. Delete AWS CloudTrail resources.

-

E. Contact AWS Support.

(Correct)

Question 32:

Skipped

AWS CloudFormation is intended to assist the user in the following ways:

-

A. model and provision resources.

(Correct)

-

B. update application code.

-

C. set up data lakes.

-

D. create reports for billing.

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 33:

Skipped

A business uses an Amazon EC2 Auto Scaling policy in conjunction with an Application Load Balancer to restore sick apps running on Amazon EC2 instances automatically. This activity pertains to which pillar of the AWS Well-Architected Framework?

-

A. Security

-
- **B. Performance efficiency**
-
- **C. Operational excellence**
-
- **D. Reliability**

(Correct)

Explanation

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

Question 34:

Skipped

Which techniques are available for deriving AWS charges by department? (Select two.)

- - **A. Enable multi-factor authentication for the AWS account root user.**
 -
 - **B. Create separate accounts for each department.**
- (Correct)**
- - **C. Use Reserved Instances whenever possible.**
 -
 - **D. Use tags to associate each instance with a particular department.**
- (Correct)**
- - **E. Pay bills using purchase orders.**

Question 35:

Skipped

A user must locate, categorize, and safeguard sensitive data stored in Amazon S3 automatically. Which AWS service satisfies these criteria?

-
- A. Amazon Inspector**
-
- B. Amazon Macie**
(Correct)
-
- C. Amazon GuardDuty**
-
- D. AWS Secrets Manager**

Explanation

AWS Macie automatically recognizes & classifies Sensitive Data or intellectual property on AWS.

Question 36:

Skipped

A business's operations are conducted on-site. The business want to anticipate the costs associated with hosting a major application on AWS. Which AWS service or tool does the business have access to in order to collect this information?

-
- A. AWS Pricing Calculator**
(Correct)
-
- B. AWS Budgets**
-
- C. AWS Trusted Advisor**
-
- D. Cost Explorer**

Explanation

Anticipate / new app = Pricing Calculator

Question 37:

Skipped

Which solution enables a business with numerous AWS accounts to consolidate its consumption in order to qualify for bulk discounts?

-
- **A. AWS Server Migration Service**
-
- **B. AWS Organizations**
(Correct)
-
- **C. AWS Budgets**
-
- **D. AWS Trusted Advisor**

Explanation

B is the correct answer because a customer can use "consolidated billing" with AWS Organizations

Question 38:

Skipped

A business requires data migration from its on-premises environment to the AWS Cloud. The business demands extremely elastic and efficient connection. Which AWS service satisfies these criteria?

-
- **A. Amazon S3 Glacier**
-
- **B. AWS Storage Gateway**
(Correct)
-
- **C. AWS Backup**

-

D. Amazon Elastic File System (Amazon EFS)

Explanation

<https://aws.amazon.com/storagegateway/faqs/>

Question 39:

Skipped

How can a client strengthen the security of their Amazon Web Services (AWS) account logons? (Select two.)

-

A. Configure AWS Certificate Manager

-

B. Enable Multi-Factor Authentication (MFA)

(Correct)

-

C. Use Amazon Cognito to manage access

-

D. Configure a strong password policy

(Correct)

-

E. Enable AWS Organizations

Explanation

B and D - it's even in the description here and in the linked article: "Using Amazon Cognito, you can generate temporary access credentials for your CLIENTS to access AWS services, eliminating the need to store long-term credentials in CLIENT applications." Since this question is about AWS logons, not client accounts, it can't be C - the equivalent of C for AWS logons would be to use STS which grants temporary access via tokens. <https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

Question 40:

Skipped

Which phase discusses agility as an advantage of AWS Cloud-based development?

-

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

(Correct)

-

D. The ability to deploy an application in multiple AWS Regions around the world in minutes

Explanation

Agility at first is mainly having EC2 instances in minutes I would think deploying in several AZs would be more related to global footprint

Question 41:

Skipped

A previously utilized Amazon EC2 instance for development is no longer available and does not display in the AWS Management Console. Which AWS service should be utilized to discover what activity resulted in the inaccessibility of this EC2 instance?

-

A. Amazon CloudWatch Logs

-

B. AWS Security Hub

-

C. Amazon Inspector

-

D. AWS CloudTrail

(Correct)

Explanation

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting-launch.html>

Question 42:

Skipped

Amazon EC2 web servers connect to a traditional application operating in a corporate data center. What phrase would be appropriate to use to describe this model?



A. Cloud-native



B. Partner network



C. Hybrid architecture

(Correct)



D. Infrastructure as a service

Explanation

<https://aws.amazon.com/enterprise/hybrid/>

Question 43:

Skipped

Which AWS Support package is the LEAST costly and gives 24-hour access to AWS customer care and communities?



A. AWS Enterprise Support



B. AWS Business Support



C. AWS Developer Support



D. AWS Basic Support

(Correct)

Explanation

D. Basic Support is included for all AWS customers and includes: Customer Service and Communities - 24x7 access to customer service, documentation, whitepapers, and support forums. AWS Trusted Advisor - Access to the 7 core Trusted Advisor checks and guidance to provision your resources following best practices to increase performance and improve security. AWS Personal Health Dashboard - A personalized view of the health of AWS services, and alerts when your resources are impacted.

Question 44:

Skipped

A social media firm has been tasked with the responsibility of launching a new function. Users will be able to share photographs that will be seen by other users worldwide with little delay. Which AWS service or feature should the business use in order to achieve this demand the most cost-effectively?

-

A. Amazon DynamoDB global tables

-

B. AWS Direct Connect

-

C. Amazon CloudFront

(Correct)

-

D. AWS Outposts

Explanation

Securely deliver content with low latency and high transfer speeds. Reference: <https://aws.amazon.com/cloudfront/>

Question 45:

Skipped

A Cloud Practitioner is required to retain data for seven years in order to comply with regulatory standards. Which AWS service meets this need for the LEAST amount of money?

-

A. Amazon S3

-
- B. AWS Snowball**
-
- C. Amazon Redshift**
-
- D. Amazon S3 Glacier**

(Correct)

Explanation

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers – particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors – that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services. Reference: <https://aws.amazon.com/s3/storage-classes/>

Question 46:

Skipped

Which job, in accordance with the AWS shared responsibility model, is AWS's duty for workloads operating on Amazon EC2?

-
- A. Updating the physical hardware**
- (Correct)**
-
- B. Updating the operating system**
-
- C. Updating the database engine**
-
- D. Updating the user data**

Explanation

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 47:

Skipped

A business's website is hosted on Amazon EC2 instances. The firm must guarantee that the website is accessible to a worldwide audience and has a low latency for visitors. Which Amazon Web Services (AWS) offering should the business employ to achieve these requirements?



A. Amazon Route 53

(Correct)



B. Amazon CloudFront



C. Elastic Load Balancing



D. AWS Lambda

Explanation

A! Pay attention in this link <https://aws.amazon.com/route53/faqs/> : Q. How does Amazon Route 53 provide high availability and low latency? Route 53 is built using AWS's highly available and reliable infrastructure. The globally distributed nature of our DNS servers helps ensure a consistent ability to route your end users to your application by circumventing any internet or network related issues. Route 53 is designed to provide the level of dependability required by important applications. Using a global anycast network of DNS servers around the world, Route 53 is designed to automatically answer queries from the optimal location depending on network conditions. As a result, the service offers low query latency for your end users. The question specifically asks for "low latency for visitors" (i.e. end users as mentioned above)

Question 48:

Skipped

The solutions architect of a business want to deploy a few Amazon EC2 instances in an already-existing AWS account. Before the firm can accept the request, it wants a cost estimate. Which AWS tool should be used to generate the cost estimate?



A. AWS Pricing Calculator

(Correct)

-

B. Cost Explorer

-

C. AWS Cost and Usage Report

-

D. AWS Budgets

Explanation

AWS Pricing = future/prediction

Question 49:

Skipped

While an Amazon EC2 instance is only activated when it is required, it must stay active throughout the life of the procedure. What is the most acceptable method of purchase?

-

A. Dedicated Instances

-

B. Spot Instances

-

C. On-Demand Instances

(Correct)

-

D. Reserved Instances

Explanation

"Applications with short term, spiky, or unpredictable workloads that cannot be interrupted" . <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-on-demand-instances.html>

Question 50:

Skipped

Which AWS service or feature enables businesses to take advantage of AWS's volume discounts?

-

A. Saving Plans

-

B. AWS Budgets

-

C. AWS Organizations

(Correct)

-

D. AWS Pricing Calculator

Explanation

<https://aws.amazon.com/organizations/>

Question 51:

Skipped

Which AWS service or functionality is exclusively accessible to AWS Enterprise Support customers?

-

A. AWS Trusted Advisor

-

B. AWS Support case

-

C. AWS Concierge Support team

(Correct)

-

D. Amazon Connect

Explanation

<https://aws.amazon.com/premiumsupport/plans/>

Question 52:

Skipped

Currently, a company's online program is highly dependent on underlying components, which means that when one component fails, the whole web site crashes. Which AWS Cloud design concept is most appropriate for resolving the present 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.**
(Correct)
-
- D. Doubling EC2 computing resources to increase system fault tolerance.**

Explanation

Ans: C. Focusing on decoupling components by isolating them and ensuring individual components can function when other components fail.

Question 53:

Skipped

How can AWS MOST effectively cut a rising start-computing up's costs?

-
- A. It provides on-demand resources for peak usage.**
(Correct)
-
- B. It automates the provisioning of individual developer environments.**
-
- C. It automates customer relationship management.**
-

D. It implements a fixed monthly computing budget.

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 54:

Skipped

Which of the following operations can be done only after logging in using the root user credentials for your AWS account? (Select two.)

-

A. Closing an AWS account

(Correct)

-

B. Creating a new IAM policy

-

C. Changing AWS Support plans

(Correct)

-

D. Attaching a role to an Amazon EC2 instance

-

E. Generating access keys for IAM users

Explanation

https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html#aws_tasks-that-require-root

Question 55:

Skipped

Which resource is the MOST EFFECTIVE for keeping current on AWS security announcements?

-
- **A. AWS Personal Health Dashboard**
-
- **B. AWS Secrets Manager**
-
- **C. AWS Security Bulletins**
- (Correct)**
-
- **D. Amazon Inspector**

Explanation

Ref: <https://aws.amazon.com/security/security-bulletins/?card-body.sort-by=item.additionalFields.bulletinDateSort&card-body.sort-order=desc>

Question 56:

Skipped

On an Amazon EC2 instance, a business hosts an application. Several AWS resources, including Amazon S3 and Amazon DynamoDB, are required by the EC2 instance. What is the MOST OPTIMAL way to delegate permissions?

-
- **A. Create an IAM role with the required permissions. Attach the role to the EC2 instance.**
- (Correct)**
-
- **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.**

Explanation

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_use_switch-role-ec2.html

Question 57:

Skipped

Which of the following are support categories for AWS Trusted Advisor? (Select two.)

- A. Operational excellence
- B. Cost optimization
- C. Security
(Correct)
- D. Well-Architected Framework
- E. Rightsizing

Explanation

AWS Trusted Advisor - Reduce costs, improve performance, improve security

Reference: <https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

Question 58:

Skipped

Which service manages objects by storing them, providing real-time access to them, and managing their versions and lifecycles?

- A. Amazon Glacier
- B. AWS Storage Gateway

-

C. Amazon S3

(Correct)

-

D. Amazon EBS

Explanation

C. Amazon S3 Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. This means customers of all sizes and industries can use it to store and protect any amount of data for a range of use cases, such as data lakes, websites, mobile applications, backup and restore, archive, enterprise applications, IoT devices, and big data analytics. Amazon S3 provides easy-to-use management features so you can organize your data and configure finely-tuned access controls to meet your specific business, organizational, and compliance requirements. Amazon S3 is designed for 99.999999999% (11 9's) of durability, and stores data for millions of applications for companies all around the world.

Question 59:

Skipped

**Which of the following are AWS security recommended practices for managing an AWS account's root user using AWS Identity and Access Management (IAM)?
(Choose\stwo.)**

-

A. Set up multi-factor authentication (MFA) for the root user.

(Correct)

-

B. Remove all IAM policies from the root user.

-

C. Delete the root user access keys.

(Correct)

-

D. Use the root user for daily tasks.

-

E. Assign a read-only access policy to the root user.

Explanation

If you do have an access key for your AWS account root user, delete it. If you must keep it, rotate (change) the access key regularly. To delete or rotate your root user access keys, go to the My Security Credentials page in the AWS Management Console and sign in with your account's email address and password. You can manage your access keys in the Access keys section. For more information about rotating access keys, see Rotating access keys. Enable AWS multi-factor authentication (MFA) on your AWS account root user account. For more information, see Using multi-factor authentication (MFA) in AWS.

Question 60:

Skipped

Which AWS advantage allows customers to construct cloud infrastructure that spans various geographic areas and is linked through a low-latency, high-performance network? What about throughput and redundancy?

-

A. Economies of scale

-

B. Security

-

C. Elasticity

-

D. Global reach

(Correct)

Explanation

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/global-infrastructure.html>

Question 61:

Skipped

A business wants to migrate 40TB of data from on-premises storage systems to Amazon S3. The transfer must occur as rapidly as feasible while maintaining a low cost. The firm has internet access at a speed of 100 megabits per second. Which AWS service will satisfy these criteria?

-

A. AWS Snowball

(Correct)

-
- **B. AWS Direct Connect**
-
- **C. AWS Storage Gateway**
-
- **D. Amazon S3 Transfer Acceleration**

Explanation

Snowball is better for 40TB transfer. It will make transfer while keeping the costs at minimum. With 100 mbps, it will be quick . It cannot be D, as S3 trf Acceleration is for transfer to and from S3. Not on-prem. So ans is A.

Question 62:

Skipped

A business wishes to grant access to Amazon RDS to one of its workers.

Additionally, the corporation wishes to confine contact to the AWS CLI and AWS software development kits (SDKs). Which combination of measures should the business do in order to satisfy these needs while adhering to the concept of least privilege? (Select two.)

- - **A. Create an IAM user and provide AWS Management Console access only.**
 -
 - **B. Create an IAM user and provide programmatic access only.**
- (Correct)
- - **C. Create an IAM role and provide AWS Management Console access only.**
 -
 - **D. Create an IAM policy with administrator access and attach it to the IAM user.**

E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

(Correct)

Explanation

If you substitute the word "confine" for "limit" (they mean the same). It becomes clear the answer is B & E, since we don't want management console (GUI) access

Question 63:

Skipped

Under the AWS shared responsibility paradigm, the following parties are responsible for the security and patching of the guest operating system:

-
- **A. AWS Support**
-
- **B. the customer**
-
- **C. AWS Systems Manager**
-
- **D. AWS Config**

Explanation

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 64:

Skipped

Which AWS feature relates to a customer's flexibility to scale up and down applications to meet changeable demand?

-
- **A. Elasticity**
-
- **B. Agility**
-

C. Security

-

D. Scalability

(Correct)

Explanation

In terms of AWS: Scalability refers to the ability for your resources to increase or decrease in size or quantity. ... In resume, Scalability gives you the ability to increase or decrease your resources, and elasticity lets those operations happen automatically according to configured rules. What is the difference between scalability and elasticity? The purpose of elasticity is to match the resources allocated with actual amount of resources needed at any given point in time. Scalability handles the changing needs of an application within the confines of the infrastructure via statically adding or removing resources to meet applications demands if needed.

Question 65:

Skipped

Which AWS services can be utilized to automate infrastructure? (Select two.)

-

A. AWS CloudFormation

(Correct)

-

B. Amazon CloudFront

-

C. AWS Batch

-

D. AWS OpsWorks

(Correct)

-

E. Amazon QuickSight

Explanation

AWS OpsWorks : OpsWorks lets you use Chef and Puppet to automate how servers are configured, deployed, and managed across your Amazon EC2 instances or on-premises compute environments. AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code. A CloudFormation template describes your desired resources and their dependencies so you can launch and configure them together as a stack. You can use a template to create, update, and delete an entire stack as a single unit, as often as you need to, instead of managing resources individually. You can manage and provision stacks across multiple AWS accounts and AWS Regions.

Continue

Retake test

Which Amazon EC2 pricing model is dynamically adjusted in response to EC2 instance availability and demand?

- - A. On-Demand Instances**
 -
 - B. Reserved Instances**
 -
 - C. Spot Instances**
- (Correct)**
- - D. Convertible Reserved Instances**

Explanation

The Spot prices are more predictable, updated less frequently, and are determined by 'supply and demand' for Amazon EC2 spare capacity, not bid prices.

<https://aws.amazon.com/blogs/compute/new-amazon-ec2-spot-pricing/>

Question 2:

Skipped

Which AWS feature should a client exploit to ensure an application's high availability?

-
- A. AWS Direct Connect**
-

B. Availability Zones

(Correct)

-

C. Data centers

-

D. Amazon Virtual Private Cloud (Amazon VPC)

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 3:

Skipped

A business must track and anticipate AWS expenditures and use. Additionally, the organization must configure event-driven alert alerts that are triggered when expenditure limitations are exceeded. Which Amazon Web Services (AWS) offering or technology should the business employ to achieve these requirements?

-

A. AWS Budgets

(Correct)

-

B. Amazon CloudWatch

-

C. AWS Config

-

D. AWS Service Catalog

Explanation

<https://aws.amazon.com/aws-cost-management/aws-budgets/>

Question 4:

Skipped

A business is contemplating migrating to the AWS Cloud. The firm wishes to be able to scale its computing capacity in response to changing demand conditions. Which AWS Cloud advantage does this case illustrate?



A. Global deployments in minutes



B. Cost savings



C. Agility



D. Elasticity

(Correct)

Question 5:

Skipped

Every few years, a business invests several months in modernizing its on-premises infrastructure. The organization wishes to shorten the time required for infrastructure purchase by shifting to the AWS Cloud. What is the primary advantage of transferring this use case to the AWS Cloud?



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.

(Correct)



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.

Explanation

<https://aws.amazon.com/blogs/enterprise-strategy/rightsizing-infrastructure-can-cut-costs-36/>

Question 6:

Skipped

What are the advantages of unified billing for Amazon Web Services accounts?

-

A. Access to AWS Personal Health Dashboard

-

B. Combined usage volume discounts

(Correct)

-

C. Improved account security

-

D. Centralized AWS IAM

Explanation

<https://jayendrapatil.com/aws-consolidated-billing/>

Question 7:

Skipped

Which of the following is a NoSQL database service that is both quick and dependable?

-

A. Amazon Redshift

-

B. Amazon RDS

-

C. Amazon DynamoDB

(Correct)

-

D. Amazon S3

Explanation

<https://aws.amazon.com/dynamodb/>

Question 8:

Skipped

A business wishes to strengthen its security and audit posture by restricting incoming access to Amazon EC2. What should the organization use instead of opening incoming SSH ports and handling SSH keys to remotely access instances?

-

A. EC2 key pairs

-

B. AWS Systems Manager Session Manager

(Correct)

-

C. AWS Identity and Access Management (IAM)

-

D. Network ACLs

Explanation

<https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html>

Question 9:

Skipped

A business must keep its data near to its core consumers. Which AWS Cloud advantage satisfies this requirement?

-

A. Security

-

B. High availability

- -
- C. Elasticity**
-
- D. Global footprint**

(Correct)

Explanation

D. Global footprint. <https://aws.amazon.com/about-aws/global-infrastructure/> AWS has the largest global infrastructure footprint of any provider, and this footprint is constantly increasing at a significant rate. When deploying your applications and workloads to the cloud, you have the flexibility in selecting a technology infrastructure that is closest to your primary target of users.

Question 10:

Skipped

Users of Amazon Route 53 are able to:

- -
- A. encrypt data in transit**
-
- B. register DNS domain names**
-
- (Correct)**
-
- C. generate and manage SSL certificates**
-
- D. establish a dedicated network connection to AWS**

Explanation

[Question 11:](https://docs.aws.amazon.com/Route53/latest/DeveloperGuide>Welcome.html</p></div><div data-bbox=)

Skipped

Which AWS function will assist users in determining the CPU capacity of an application running on an Amazon EC2 instance?

-
- A. Amazon CloudWatch**

(Correct)

-
- **B. AWS Config**
-
- **C. AWS CloudTrail**
-
- **D. Amazon Inspector**

Explanation

<https://aws.amazon.com/ec2/faqs/>

Question 12:

Skipped

Which AWS services are available for application deployment? (Select two.)

- **A. AWS Elastic Beanstalk**
- **(Correct)**
-
- **B. AWS Config**
-
- **C. AWS OpsWorks**
- **(Correct)**
-
- **D. AWS Application Discovery Service**
-

E. Amazon Kinesis

Explanation

<https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>

Question 13:

Skipped

A business need software solutions that are either hosted on the AWS platform or are linked with it. Independent software providers, as well as management and security vendors, are required to provide solutions. Which organization or team is capable of providing these solutions?

-
- **A. AWS technical account managers (TAMs)**
-
- **B. AWS Partner Network (APN) Consulting Partners**
-
- **C. AWS Concierge Support**
-
- **D. AWS Partner Network (APN) Technology Partners**

(Correct)

Explanation

An APN Consulting Partner helps an AWS customer implement and manage an AWS cloud deployment. These types of partners include system integrators, managed services providers, and other consultancies and agencies. An APN Technology Partner provides software tools and services that are hosted on or integrate with AWS.

Question 14:

Skipped

Which AWS service enables infrastructure as code management?

-
- **A. AWS CodePipeline**
-
- **B. AWS CodeDeploy**
-
- **C. AWS Direct Connect**
-
- **D. AWS CloudFormation**

(Correct)

Explanation

<https://containersonaws.com/introduction/infrastructure-as-code/>

Question 15:

Skipped

A corporation want to migrate petabytes of data from on-premises sites to the AWS Cloud as rapidly as feasible. Which Amazon Web Services (AWS) service should the business use?

-

A. AWS Snowball

(Correct)

-

B. AWS Global Accelerator

-

C. Amazon S3 Transfer Acceleration

-

D. Amazon Connect

Explanation

<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>

Question 16:

Skipped

How might AWS help a business manage costs when an application's consumption varies 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

(Correct)

-

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.

Question 17:

Skipped

A client has many AWS accounts, each with its own billing. How can the client benefit from bulk savings while minimizing the effect on AWS resources?

-

A. Create one global AWS account and move all AWS resources to that account.

-

B. Sign up for three years of Reserved Instance pricing up front.

-

C. Use the consolidated billing feature from AWS Organizations.

(Correct)

-

D. Sign up for the AWS Enterprise support plan to get volume discounts.

Explanation

<https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/>

Question 18:

Skipped

A business is now undergoing a security examination. The audit includes a security and compliance review of the company's AWS infrastructure and services. The auditor must identify and download AWS security and compliance materials. The System and Organization Control (SOC) reports are one of these documents. Which AWS service or collection of services is capable of providing these documents?

-

A. AWS Abuse team

-

B. AWS Artifact

(Correct)

-

C. AWS Support

-

D. AWS Config

Explanation

<https://aws.amazon.com/artifact/faq/>

Question 19:

Skipped

Where should a business go to locate, test, purchase, and deploy software that works on AWS?

-

A. AWS Marketplace

(Correct)

-

B. Amazon Lumberyard

-

C. AWS Artifact

-

D. Amazon CloudSearch

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 20:

Skipped

Which AWS service enables the use of the AWS Cloud to host a NoSQL database?

-

A. Amazon Aurora

-

B. Amazon DynamoDB

(Correct)

-

C. Amazon RDS

-

D. Amazon Redshift

Explanation

<https://aws.amazon.com/nosql/>

Question 21:

Skipped

A business wishes to downsize its infrastructure in order to save money. At what stages should a business downsize? (Select two.)

-

A. Rightsize before a migration occurs to the cloud.

(Correct)

-

B. Rightsize continuously after the cloud onboarding process.

(Correct)

-

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.

Explanation

A & B <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/right-size-before-migrating.html>

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/right-sizing-ongoing-process.html>

Question 22:

Skipped

A corporation want to connect to AWS from a distant office through a private, low-latency connection. Which strategy is advised for meeting these requirements?



A. Create a VPN tunnel



B. Connect across the public internet



C. Use VPC peering to create a connection.



D. Use AWS Direct Connect.

(Correct)

Explanation

<https://aws.amazon.com/getting-started/projects/connect-data-center-to-aws/>

Question 23:

Skipped

What is an example of a cloud-based application that is decoupled, scalable, and scalable?



A. A mail and log application that runs on a single Amazon EC2 instance



B. A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database

(Correct)



C. An Application Load Balancer, web server, and database server that support a monolithic application

-

D. A legacy database server that is running on the maximum instance size supported by its license

Explanation

B is the answer. A monolith is not decoupled, nor scalable

Question 24:

Skipped

How can AWS Trusted Advisor assist AWS Cloud users? (Select 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

(Correct)

-

C. It detects potential security vulnerabilities caused by permissions settings on account resources

(Correct)

-

D. It automatically corrects potential security issues caused by permissions settings on account resources

-

E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

Explanation

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices. Trusted Advisor checks help optimize your AWS infrastructure, increase security and performance, reduce your overall costs, and monitor service limits. 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.

Question 25:

Skipped

Which AWS Cloud best practice makes advantage of cloud computing's flexibility and agility?

-
- **A. Provision capacity based on past usage and theoretical peaks**
-
- **B. Dynamically and predictively scale to meet usage demands**
(Correct)
-
- **C. Build the application and infrastructure in a data center that grants physical access**
-
- **D. Break apart the application into loosely coupled components**

Question 26:

Skipped

A client wants to develop and construct a new workload on AWS Cloud but lacks the necessary technical skills in AWS-related technologies. Which of the following AWS programs may a client use to accomplish that goal?

-
- **A. AWS Partner Network Technology Partners**
-
- **B. AWS Marketplace**
-
- **C. AWS Partner Network Consulting Partners**
(Correct)
-
- **D. AWS Service Catalog**

Explanation

<https://www.apn-portal.com/knowledgebase/articles/FAQ/What-Are-the-Partner-Types-of-APN>

Question 27:

Skipped

Which situations should the AWS Abuse team be notified about?

-
- **A. In Availability Zone has a service disruption**
-
- **B. An intrusion attempt is made from an AWS IP address**
(Correct)
-
- **C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address**
-
- **D. A user needs to change payment methods due to a compromise**

Explanation

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>
Question 28:

Skipped

Which responsibility do customers bear while using Amazon EC2? (Select two.)

-
- **A. Underlying hardware maintenance**
-
- **B. File-system-level encryption**
(Correct)
-
- **C. Guest operating system firewall configuration**
(Correct)
-

D. Hypervisor-level software patching

-

E. Physical security at data center facilities

Explanation

when did Hypervisor management turn to customer responsibility, Hypervisor is where the millions of EC2 relies on and its managed by AWS the correct and should be BC . <https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

Question 29:

Skipped

Which tasks need access to the root user of the AWS account? (Select two.)

-

A. Changing an AWS Support plan

(Correct)

-

B. Modifying an Amazon EC2 instance type

-

C. Grouping resources in AWS Systems Manager

-

D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)

-

E. Closing an AWS account

(Correct)

Explanation

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

Question 30:

Skipped

An application installed in the AWS Cloud exhibits irregular consumption patterns and is responsible for non-stop workloads.Which Amazon EC2 pricing plan is the MOST cost-effective for this application?

-

A. Dedicated Instances

-

B. Spot Instances

-

C. Reserved Instances

-

D. On-Demand Instances

(Correct)

Explanation

Option A - Dedicated instances are not a best cost effective option for AWS and it is not A. Option B - Spot instance is not an option because it says nonstop instance. Option C - It says "irregular consumption patterns" which means that CPU or RAM can be changed over time. If we buy reserved instance, we are unable to change it (It is not saying convertible reserved instance) and answer is not C. Option D - On-Demand Instances

Question 31:

Skipped

On an Amazon EC2 instance, a batch job takes 5 hours to complete. Monthly, the quantity of data to be processed doubles, and the time required to process it is proportionate. What is the optimal cloud architecture for meeting this escalating 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.

(Correct)

-

D. Run the application on a bare metal EC2 instance.

Explanation

<https://docs.aws.amazon.com/batch/latest/userguide/multi-node-parallel-jobs.html>. Multi-node parallel jobs enable you to run single jobs that span multiple Amazon EC2 instances. With AWS Batch multi-node parallel jobs, you can run large-scale, tightly coupled, high performance computing applications and distributed GPU model training without the need to launch, configure, and manage Amazon EC2 resources directly.

Question 32:

Skipped

SQL injection attacks are being launched against an application from a variety of external locations. Which AWS service or functionality can assist in automating response to these attacks?

-

A. AWS WAF

(Correct)

-

B. Security groups

-

C. Elastic Load Balancer

-

D. Network ACL

Explanation

<https://docs.aws.amazon.com/waf/latest/developerguide/waf-rule-statement-type-sqli-match.html>

Question 33:

Skipped

Which AWS solution enables rapid setup and management of a new multi-account AWS environment?

-

A. AWS Trusted Advisor

-

B. AWS Security Hub

-

C. AWS Control Tower

(Correct)

-

D. AWS Resource Access Manager

Explanation

Reference: <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 34:

Skipped

A business's user base is worldwide in scope. The organization need a highly available application with reduced latency for end users. Which AWS architecture approach will meet these criteria the MOST EFFECTIVELY?

-

A. Single-Region, Multi-AZ architecture

-

B. Multi-Region, active-active architecture

(Correct)

-

C. Multi-Region, active-passive architecture

-

D. Single-Region, Single-AZ architecture

Explanation

B is the answer - see here difference between active-active and active-passive: <https://aws.amazon.com/blogs/architecture/disaster-recovery-dr-architecture-on-aws-part-i-strategies-for-recovery-in-the-cloud/>

Question 35:

Skipped

Which of the following are benefits of Amazon Web Services' cloud computing platform? (Select two.)

-

A. AWS manages the maintenance of the cloud infrastructure

(Correct)

-

B. AWS manages the security of applications built on AWS

-

C. AWS manages capacity planning for physical servers

(Correct)

-

D. AWS manages the development of applications on AWS

-

E. AWS manages cost planning for virtual servers

Explanation

<https://aws.amazon.com/compliance/data-center/controls/>

Question 36:

Skipped

Which AWS situations exemplify the idea of elasticity? (Select two.)

-

A. Scaling the number of Amazon EC2 instances based on traffic.

(Correct)

-

B. Resizing Amazon RDS instances as business needs change.

(Correct)

-

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.

Explanation

<https://wa.aws.amazon.com/wat.concept.elasticity.en.html>

Question 37:

Skipped

The continuous lowering in AWS Cloud price is a result of the following:

-

A. pay-as-you go pricing

-

B. the AWS global infrastructure

-

C. economies of scale

(Correct)

-

D. reserved storage pricing

Explanation

Benefit from massive economies of scale - Prices are reduced as AWS is more efficient due to large scale

Question 38:

Skipped

In comparison to conventional and virtualized data center prices, AWS offers the following:

-

A. greater variable costs and greater upfront costs.

-

B. fixed usage costs and lower upfront costs.

-

C. lower variable costs and greater upfront costs.

-

D. lower variable costs and lower upfront costs.

(Correct)

Explanation

<https://d1.awsstatic.com/whitepapers/introduction-to-aws-cloud-economics-final.pdf>

Question 39:

Skipped

Which characteristic of the Amazon Virtual Private Cloud (Amazon VPC) allows customers to link two VPCs?

-

A. Amazon VPC endpoints

-

B. Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink

-

C. Amazon VPC peering

(Correct)

-

D. AWS Direct Connect

Explanation

VPC Peering connect two VPC's So answer: C

Question 40:

Skipped

Which of the following are advantages of Amazon Web Services' cloud computing platform? (Select two.)

-

A. Unlimited uptime

-

B. Elasticity

(Correct)

-

C. Agility

(Correct)

-

D. Colocation

-

E. Capital expenses

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 41:

Skipped

A company's managed IAM policy does not allow users the rights essential to do needed activities. How is this situation to be resolved?

-

A. Enable AWS Shield Advanced

-

B. Create a custom IAM policy

(Correct)

-

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

Question 42:

Skipped

Who is responsible for the virtualization layer down to the physical security of the facilities in which AWS services operate under the AWS shared responsibility model?

-

A. It is the sole responsibility of the customer.

-

B. It is the sole responsibility of AWS.

(Correct)

-

C. It is a shared responsibility between AWS and the customer.

-

D. The customer's AWS Support plan tier determines who manages the configuration.

Explanation

B. AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities

Question 43:

Skipped

A business must transmit time-sensitive communications to a large number of subscribers using a push technique. Which Amazon Web Services (AWS) service should the business use?

-

A. Amazon Kinesis

-

B. Amazon MQ

-

C. Amazon Simple Queue Service (Amazon SQS)

-

D. Amazon Simple Notification Service (Amazon SNS)

(Correct)

Explanation

Amazon SNS allows applications to send time-critical messages to multiple subscribers through a `push` mechanism Reference:

<https://aws.amazon.com/sns/faqs/>

Question 44:

Skipped

How might an AWS client implement common access restrictions to a big group of users easily?

-

A. Apply an IAM policy to an IAM group.

(Correct)

-

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.

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 45:

Skipped

What time-saving benefits can Amazon Rekognition provide?

-

A. Amazon Rekognition provides automatic watermarking of images.

-

B. Amazon Rekognition provides automatic detection of objects appearing in pictures.

(Correct)

-

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.

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 46:

Skipped

Which Amazon Web Services (AWS) offering allows customers to aggregate billing for many accounts?

-

A. Amazon QuickSight

-

B. AWS Organizations

(Correct)

-

C. AWS Budgets

-

D. Amazon Forecast

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 47:

Skipped

How can a user safeguard against AWS service outages in the event of a widespread natural disaster?

- - 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.**
- (Correct)**
- - D. Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.**

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 48:

Skipped

Multiple Amazon EC2 instances are used to host an application. The program sends messages using Amazon Simple Notification Service (Amazon SNS). Which AWS service or feature grants authorization for the application to access needed AWS services?

-
- A. AWS Certificate Manager (ACM)**

-

B. IAM roles

(Correct)

-

C. AWS Security Hub

-

D. Amazon GuardDuty

Explanation

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2. Reference: <https://aws.amazon.com/iam/faqs/>

Question 49:

Skipped

Which scenarios warrant the utilization of Amazon EC2 Spot Instances?

-

A. A company wants to move its main website to AWS from an on-premises web server.

-

B. A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.

-

C. A company's heavily used legacy database is currently running on-premises.

-

D. A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

(Correct)

Explanation

Reference: <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-leveraging-ec2-spot-instances/spot-instance-interruptions.html>

Question 50:

Skipped

Which choices do users have when contacting AWS Support? (Select two.)

-

A. Create an email case in the AWS Support Center.

(Correct)

-

B. Visit a local AWS Support Center.

-

C. Use live chat functionality.

(Correct)

-

D. Call the customer service phone number.

-

E. Use the video conference functionality of the AWS Support console.

Explanation

answer is A & C. Question is a bit tricky. Yes, AWS Support has phone option but you can not call them. You just give your phone number and they call you. So the keyword is CALLING AWS. Check below: For security purposes, AWS Support doesn't have a phone number. <https://aws.amazon.com/premiumsupport/knowledge-center/aws-phone-support/>

Question 51:

Skipped

Which service's primary aim is to manage software versions?

-

A. Amazon CodeStar

-

B. AWS Command Line Interface (AWS CLI)

-

C. Amazon Cognito

-

D. AWS CodeCommit

(Correct)

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 52:

Skipped

Which duty is the customer's responsibility under the AWS shared responsibility model?

-

A. Maintaining the infrastructure needed to run AWS Lambda

-

B. Updating the operating system of Amazon DynamoDB instances

-

C. Maintaining Amazon S3 infrastructure

-

D. Updating the guest operating system on Amazon EC2 instances

(Correct)

Explanation

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Customers%20are%20responsible%20for%20managing,also%20extends%20to%20IT%20controls>

Question 53:

Skipped

AWS Budgets may be used for the following purposes:

-

A. prevent a given user from creating a resource

-

B. send an alert when the utilization of Reserved Instances drops below a certain percentage

(Correct)

-

C. set resource limits in AWS accounts to prevent overspending

-

D. split an AWS bill across multiple forms of payment

Explanation

The answer is B. "Starting today, customers can now monitor and receive alerts when their Reserved Instance ("RI") utilization falls below the threshold they define." <https://aws.amazon.com/about-aws/whats-new/2017/08/monitor-your-reserved-instance-utilization-by-receiving-alerts-via-aws-budgets/>

Question 54:

Skipped

A user may create a master payer account in order to access aggregated billing data via:

-

A. AWS Budgets.

-

B. Amazon Macie.

-

C. Amazon QuickSight.

-

D. AWS Organizations.

(Correct)

Explanation

D. AWS Organizations "You can track the charges across multiple accounts and download the combined cost and usage data."

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Question 55:

Skipped

What are the benefits of deploying an application across various Availability Zones using Amazon EC2 instances? (Select two.)

- A. Preventing a single point of failure
(Correct)
- 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
(Correct)
- E. Increasing the load of the application

Explanation

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html>

Question 56:

Skipped

A business needs handle a huge volume of data from social network accounts using high-throughput graphical queries. Which AWS service will assist the business in developing a cloud architecture that satisfies these criteria?

- A. Amazon RDS
- B. Amazon DynamoDB
-

C. Amazon Neptune

(Correct)

-

D. Amazon Redshift

Explanation

Amazon Neptune is a fast, reliable, fully managed graph database service that makes it easy to build and run applications that work with highly connected datasets. The core of Amazon Neptune is a purpose-built, high-performance graph database engine optimized for storing billions of relationships and querying the graph with milliseconds latency. <https://aws.amazon.com/neptune/>

Question 57:

Skipped

Which operation needs the usage of the root account user credentials for the AWS account?

-

A. Closing an AWS account

(Correct)

-

B. Creating a log file

-

C. Modifying IAM user permissions

-

D. Deleting IAM users

Explanation

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

Question 58:

Skipped

Which feature enables Amazon EC2 instances to be more elastic in response to changing workload demand?

-

A. Resource groups

-

B. Lifecycle policies

-

C. Application Load Balancer

-

D. Amazon EC2 Auto Scaling

(Correct)

Explanation

Answer is D and demand is taken care by scaling up or down. The key points in the question are "Amazon EC2 instances" and "workload demand" from the sentence "Amazon EC2 instances to be more elastic in response to changing workload demand?". Which talks about infrastructure not on application.

Question 59:

Skipped

Which of the following is a design concept for AWS Cloud architecture?

-

A. Implement single points of failure.

-

B. Implement loose coupling.

(Correct)

-

C. Implement monolithic design.

-

D. Implement vertical scaling.

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 60:

Skipped

Which of the following IT functions does AWS do in order to relieve a business of its responsibility for managing its IT resources? (Select two.)

-

A. Configuring operating system firewalls

-

B. Setting up access controls for data

-

C. Backing up databases

(Correct)

-

D. Configuring database user accounts

-

E. Installing operating systems

(Correct)

Explanation

It just asked for IT resource management. So automatically it'll be C & E

Question 61:

Skipped

Which service should a client utilize to integrate and manage several Amazon Web Services accounts centrally?

-

A. AWS IAM

-

B. AWS Organizations

(Correct)

-

C. AWS Schema Conversion Tool

-

D. AWS Config

Explanation

<https://aws.amazon.com/organizations/>

Question 62:

Skipped

Which of the following are advantages of using the AWS Cloud to host infrastructure? (Select two.)

-

A. There are no upfront commitments.

(Correct)

-

B. AWS manages all security in the cloud.

-

C. Users have the ability to provision resources on demand.

(Correct)

-

D. Users have access to free and unlimited storage.

-

E. Users have control over the physical infrastructure.

Explanation

There are no upfront commitments (AWS is on-demand) AWS does not manage all security in the cloud, it is a shared responsibility model Users do not get free unlimited storage, there are free tiers however they are capped at 12 months of usage Users have NO control over the physical infrastructure

Question 63:

Skipped

Which AWS technologies aid in cost estimation? (Select three.)

-
- **A. Detailed billing report**
-
- **B. Cost allocation tags**
(Correct)
-
- **C. AWS Simple Monthly Calculator**
(Correct)
-
- **D. AWS Total Cost of Ownership (TCO) Calculator**
(Correct)
-
- **E. Cost Estimator**

Explanation

<https://n2ws.com/blog/aws-pricing-calculators#:~:text=The%20AWS%20Total%20Cost%20of,cost%20of%20an%20AWS%20environment>.

Question 64:

Skipped

On Amazon EC2 instances, a business is operating and controlling its own Docker environment. Alternate is desired to assist in managing cluster size, scheduling, and environment management. Which AWS service satisfies these criteria?

- **A. AWS Lambda**
- **B. Amazon RDS**
- **C. AWS Fargate**

(Correct)

-

D. Amazon Athena

Explanation

AWS Fargate Serverless compute for containers

https://aws.amazon.com/fargate/?nc2=type_a

Question 65:

Skipped

A business is consolidating many apps into a single Amazon Web Services (AWS) account. The organization wishes to keep track of the AWS Cloud fees paid by individual applications. What can the business do to ensure compliance with this requirement?

-

A. Set up invoiced billing.

-

B. Use AWS Artifact.

-

C. Set the budgets in Cost Explorer.

-

D. Create cost allocation tags.

(Correct)

Explanation

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

When comparing AWS Total Cost of Ownership (TCO) to on-premises TCO, what charges are included?

-

A. Project management

-

B. Antivirus software licensing

-

C. Data center security

(Correct)

-

D. Software development

Explanation

Project Management would remain in house, you don't offload that to the cloud, unless maybe you engage a managed service but your internal team creates the project so yeah, answer is C.

Question 2:

Skipped

When building an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode, which architectural concept is followed?

-

A. Implement loose coupling.

-

B. Design for failure.

(Correct)

-

C. Automate everything that can be automated.

-

D. Use services, not servers.

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 3:

Skipped

What storage capabilities does Amazon S3 Intelligent-Tiering provide?

- - A. Payment flexibility by reserving storage capacity**
 -
 - B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume**
 -
 - C. Automatic cost savings by moving objects between tiers based on access pattern changes**
- (Correct)**
- - D. Secure, durable, and lowest cost storage for data archival**

Explanation

C. Automatic cost savings by moving objects between tiers based on access pattern changes S3 Intelligent-Tiering is a new Amazon S3 storage class designed for customers who want to optimize storage costs automatically when data access patterns change, without performance impact or operational overhead. S3 Intelligent-Tiering is the first cloud object storage class that delivers automatic cost savings by moving data between two access tiers — frequent access and infrequent access — when access patterns change, and is ideal for data with unknown or changing access patterns.

Question 4:

Skipped

Which AWS service or functionality can assist a business in determining if it has publicly accessible Amazon S3 buckets?

-
- A. AWS Service Health Dashboard**
-
- B. Amazon CloudWatch Logs**

-

C. AWS Trusted Advisor

(Correct)

-

D. AWS Service Catalog

Explanation

Reference: https://d1.awsstatic.com/product-marketing/S3/Amazon_S3_Security_eBook_2020.pdf

Question 5:

Skipped

Which AWS service must be enabled in order for the AWS Management Console to monitor all user account changes?

-

A. AWS CloudTrail

(Correct)

-

B. Amazon Simple Notification Service (Amazon SNS)

-

C. VPC Flow Logs

-

D. AWS CloudHSM

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 6:

Skipped

Which variables impact AWS Cloud costs? (Select two.)

-

A. The number of unused AWS Lambda functions

-

B. The number of configured Amazon S3 buckets

-

C. Inbound data transfers without acceleration

-

D. Outbound data transfers without acceleration

(Correct)

-

E. Compute resources that are currently in use

(Correct)

Explanation

User request for cat photos have cost every time they read the files in the bucket
EC2 ALWAYS has a cost

Question 7:

Skipped

Which AWS service enables expense control across numerous AWS accounts effectively?

-

A. AWS Organizations

(Correct)

-

B. AWS Trusted Advisor

-

C. AWS Direct Connect

-

D. Amazon Connect

Explanation

Reference: <https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

Question 8:

Skipped

A organization with an AWS Support plan for developers established an Amazon RDS database but is unable to connect to it. To get this degree of help, who should the developer contact?

-

A. AWS Support using a support case

(Correct)

-

B. AWS Professional Services

-

C. AWS technical account manager

-

D. AWS consulting partners

Explanation

Option A. Business hours email access to Cloud Support engineers. You can have one primary contact that can open an unlimited amount of CASES.

<https://aws.amazon.com/premiumsupport/plans/developers/>

Question 9:

Skipped

On-premises resources have been underused by a user. Which AWS Cloud idea is optimal for resolving this issue?

-

A. High availability

-

B. Elasticity

(Correct)

-
- **C. Security**
-
- **D. Loose coupling**

Explanation

- Scalability means that an application / system can handle greater loads by adapting.
 - There are two kinds of scalability:
 - Vertical Scalability
 - Horizontal Scalability (= elasticity)
 - Scalability is linked but different to High Availability
- Question 10:

Skipped

A company's on-premises servers and the AWS Cloud need a dedicated network connection. Which Amazon Web Services (AWS) service should be used?

-
- **A. AWS VPN**
-
- **B. AWS Direct Connect**
- **(Correct)**
-
- **C. Amazon API Gateway**
-
- **D. Amazon Connect**

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 11:

Skipped

Which of the following is an AWS Well-Architected Framework design principle?

-

A. Reduce downtime by making infrastructure changes infrequently and in large increments.

-

B. Invest the time to configure infrastructure manually.

-

C. Learn to improve from operational failures.

(Correct)

-

D. Use monolithic application design for centralization.

Explanation

Learn from all operational failures: Drive improvement through lessons learned from all operational events and failures. Share what is learned across teams and through the entire organization. Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf>

Question 12:

Skipped

What is a user's responsibility while using the AWS Cloud to execute an application?

-

A. Managing physical hardware

-

B. Updating the underlying hypervisor

-

C. Providing a list of users approved for data center access

-

D. Managing application software updates

(Correct)

Explanation

D is the correct answer. B would not be correct because it's talking about the application itself. Why would the customer and how would the customer have access to the hypervisor running the application? You wouldn't. Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 13:

Skipped

Which AWS service enables you to monitor and debug distributed applications end-to-end?

-
- A. AWS Cloud9**
-
- B. AWS CodeStar**
-
- C. AWS Cloud Map**
-
- D. AWS X-Ray**

(Correct)

Explanation

Reference:

<https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing>

Question 14:

Skipped

Which AWS service should be utilized to store data backups for an extended period of time at a reasonable cost?

-
- A. Amazon RDS**
-
- B. Amazon Glacier**

(Correct)

-

C. AWS Snowball

-

D. AWS EBS

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 15:

Skipped

On Amazon EC2 instances, a business has installed various relational databases. Each month, the database software manufacturer publishes new security updates for databases that must be deployed. Which method is the MOST EFFECTIVE for applying security patches?

-
-
-
-

A. Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.

B. Enable automatic patching for the instances using the Amazon RDS console.

C. In AWS Config, configure a rule for the instances and the required patch level.

D. Use AWS Systems Manager to automate database patching according to a schedule.

(Correct)

Explanation

Correct answer is D - AWS Systems Manager.

<https://docs.aws.amazon.com/systems-manager/latest/userguide/features.html#features-operations-management> Use Maintenance Windows to set up recurring schedules for managed instances to run administrative tasks like installing patches and updates without interrupting business-critical operations.

Question 16:

Skipped

How can a client anticipate future expenses associated with the operation of a new web application?



A. Amazon Aurora Backtrack



B. Amazon CloudWatch Billing Alarms



C. AWS Simple Monthly Calculator

(Correct)



D. AWS Cost and Usage report

Explanation

Ans should be C. This is a new web application and not something which is already running. A Cost Explorer is used to predict how much you will use AWS services over the forecast time period that you selected, based on your past usage.

Question 17:

Skipped

A corporation want to remove the necessity for pre-deployment estimation of infrastructure capacity. Additionally, the corporation want to spend its money on cloud resources only when the resources are used.Which AWS Cloud feature best meets your business's needs?



A. Reliability



B. Global reach

- - **C. Economies of scale**
 -
- D. Pay-as-you-go pricing**
- (Correct)

Explanation

Trade fixed expense for variable expense – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume. Which means pay as you go ... So answer D

Question 18:

Skipped

Which AWS service is responsible for monitoring the health of your applications automatically?

- - **A. Amazon API Gateway**
 -
- B. AWS Elastic Beanstalk**
- (Correct)
- -
- C. AWS Lambda**
-
- D. AWS Config**

Explanation

Initially, I thought that it is Config and that these guys are crazy. But, Elastic Beanstalk should be it, keyword "automatically" "Elastic Beanstalk automatically handles the deployment details of capacity provisioning, load balancing, auto-scaling, and application health monitoring."

Question 19:

Skipped

Recently, an ecommerce firm began using the AWS Cloud. Which security-related responsibilities fall within the purview of the business? (Select two.)

- A. Restrict who is allowed physical access to the hosts that run the company's Amazon EC2 instances.
- B. Install security patches on Amazon EC2 Linux instances.
(Correct)
- C. Choose to encrypt data at rest that is stored on Amazon S3.
(Correct)
- D. Wipe Amazon Elastic Block Store (Amazon EBS) volumes clean before they are decommissioned.
- E. Conduct database patching for Amazon RDS instances.

Explanation

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

Question 20:

Skipped

A business needs to guarantee that users of the AWS Management Console adhere to password complexity guidelines. How can a business customize the difficulty of its passwords?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy
(Correct)

-

D. Using an AWS Security Hub managed insight

Explanation

Looks like the answer is C, this is from the link provided: sign in to the AWS Management Console and open the IAM console at <https://console.aws.amazon.com/iam/>. In the navigation pane, choose Account settings. In the Password policy section, choose Change. Select the options that you want to apply to your password policy and choose Save changes.

Question 21:

Skipped

A retailer wishes to supply just the resources required to meet current demand. Which cloud advantage is the organization attempting to accomplish with this objective?

-

A. Reliability

-

B. Global reach

-

C. Scalability

(Correct)

-

D. High availability

Explanation

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

Question 22:

Skipped

Which AWS shared responsibility model duties are the customer's responsibility? (Select two.)

-

A. Infrastructure facilities access management

-

B. Cloud infrastructure hardware lifecycle management

-

C. Configuration management of user's applications

(Correct)

-

D. Networking infrastructure protection

-

E. Security groups configuration

(Correct)

Explanation

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question 23:

Skipped

A business wishes to link AWS to its corporate network through a private network connection. Which Amazon Web Services (AWS) service or functionality will satisfy this requirement?

-

A. Amazon Connect

-

B. Amazon Route 53

-

C. AWS Direct Connect

(Correct)

-

D. VPC peering

Explanation

Reference: <https://aws.amazon.com/blogs/aws/user-network-to-amazon-vpc-connectivity-for-applications-hosted-on-aws/> keyword private network

Question 24:

Skipped

What are the advantages of AWS Cloud service billing consolidation? (Select two.)

-

A. Volume discounts

-

B. A minimal additional fee for use

-

C. One bill for multiple accounts

(Correct)

-

D. Installment payment options

-

E. Custom cost and usage budget creation

(Correct)

Explanation

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Question 25:

Skipped

What is the most effective approach to link an on-premises network to numerous VPCs located in separate AWS Regions?

-

A. Use AWS Direct Connect

-

B. Use AWS VPN

-

C. Use AWS Client VPN

-

D. Use an AWS Transit Gateway

(Correct)

Explanation

D = AWS Transit Gateway now supports the ability to establish peering connections between Transit Gateways in different AWS Regions. Transit Gateway is a service that enables customers to connect thousands of Amazon Virtual Private Clouds (Amazon VPCs) and their on-premises networks using a single gateway
<https://aws.amazon.com/about-aws/whats-new/2019/12/aws-transit-gateway-supports-inter-region-peering/#:~:text=AWS%20Transit%20Gateway%20now%20supports%20the%20ability%20to%20establish%20peering,networks%20using%20a%20single%20gateway>.

Question 26:

Skipped

When users connect to a website with a worldwide consumer base, they report experiencing delay. Which Amazon Web Services (AWS) offering will enhance the user experience by lowering latency?

-

A. Amazon CloudFront

(Correct)

-

B. AWS Direct Connect

-

C. Amazon EC2 Auto Scaling

-

D. AWS Transit Gateway

Explanation

latency is the key word so go with cloudfront.

Question 27:

Skipped

Which statement best describes the AWS Cloud's agility?

-

A. Agility gives users the ability to host applications in multiple AWS Regions around the world.

-

B. Agility gives users the ability to pay upfront to reduce cost.

-

C. Agility provides customizable physical hardware at the lowest possible cost.

-

D. Agility provides the means for users to provision resources in minutes.

(Correct)

Explanation

Reference: <https://blog.clairvoyantsoft.com/true-economics-of-cloud-computing-part-1-what-it-really-means-to-be-agile-1ed14a1696a5>

Question 28:

Skipped

What does it mean to provide AWS IAM users the fewest possible privileges?

-

A. It is granting permissions to a single user only.

-

B. It is granting permissions using AWS IAM policies only.

-

C. It is granting AdministratorAccess policy permissions to trustworthy users.

-

D. It is granting only the permissions required to perform a given task.

(Correct)

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 29:

Skipped

What does the AWS Cloud bring clients in terms of increased execution speed and agility? (Select two.)

-

A. Readily available resources with low provisioning times

(Correct)

-

B. Scalable compute capacity

(Correct)

-

C. Free Tier services usage

-

D. Access to AWS data centers

-

E. Lower resource provisioning cost

Explanation

D. is definitely wrong answer, Only AWS employee with certain privileges can access AWS data center

Question 30:

Skipped

Which of the following statements concerning AWS's worldwide infrastructure is true?

-

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.

(Correct)

-

D. A single subnet can span multiple Availability Zones.

Explanation

Reference: <https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

Question 31:

Skipped

A corporation wishes to minimize the physical footprint of the computing resources used by developers to execute programs. Which service would enable serverless architectures to address this need?

-

A. Amazon Elastic Compute Cloud (Amazon EC2)

-

B. AWS Lambda

(Correct)

-

C. Amazon DynamoDB

-

D. AWS CodeCommit

Explanation

B is the perfect answer. AWS lambda is a serverless function on AWS and it's also a platform for executing coding on AWS

Question 32:

Skipped

Which AWS Cloud service gives tips on how to optimize an AWS account's performance?

-

A. Amazon Inspector

-

B. AWS Trusted Advisor

(Correct)

-

C. Amazon CloudWatch

-

D. AWS CloudTrail

Explanation

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas. So it is B

Question 33:

Skipped

Which activity is entirely the user's responsibility while executing workloads on AWS?

-

A. Patching the infrastructure components

-

B. Implementing controls to route application traffic

(Correct)

-

C. Maintaining physical and environmental controls

-

D. Maintaining the underlying infrastructure components

Explanation

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 34:

Skipped

Which Amazon EC2 instance type is necessary when a user wishes to use their current per-socket, per-core, or per-virtual machine software licenses on a Microsoft Windows server operating on AWS?

-

A. Spot Instances

-

B. Dedicated Instances

-

C. Dedicated Hosts

(Correct)

-

D. Reserved Instances

Explanation

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html>

Question 35:

Skipped

Which concepts of AWS Cloud architecture may assist boost reliability? (Select two.)

-

A. Using monolithic architecture

-

B. Measuring overall efficiency

-

C. Testing recovery procedures

(Correct)

-

D. Adopting a consumption model

-

E. Automatically recovering from failure

(Correct)

Explanation

Reference: <https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

Question 36:

Skipped

Which AWS service enables customers to view AWS compliance control reports on-demand and self-service?

-

A. AWS Config

-

B. Amazon GuardDuty

-

C. AWS Trusted Advisor

-

D. AWS Artifact

(Correct)

Explanation

Reference: <https://aws.amazon.com/artifact>

Question 37:

Skipped

Which AWS product or service enables businesses to monitor and classify their expenditure at a precise level?

-

A. Cost allocation tags

(Correct)

-

B. Consolidated billing

-

C. AWS Budgets

-

D. AWS Marketplace

Explanation

The official correct answer is Cost allocation tags. Source:

https://docs.aws.amazon.com/it_it/marketplace/latest/buyerguide/cost-allocation-tagging-ami-marketplace.html "You can use tags to organize your resources, and cost allocation tags to track your AWS costs on a detailed level."

Question 38:

Skipped

Multiple Regions of the AWS Cloud are an example of:

-

A. agility.

-

B. global infrastructure.

(Correct)

-

C. elasticity.

-

D. pay-as-you-go pricing.

Explanation

the blog refers only the potential impact and hinderance on agility when going on multi-region. <https://aws.amazon.com/blogs/apn/architecting-multi-region-saas-solutions-on-aws/>

Question 39:

Skipped

Which features are available to users while use 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

(Correct)

-

D. Create and manage keys for multi-factor authentication

Explanation

"AWS Key Management Service (AWS KMS) is a managed service that makes it easy for you to create and control customer master keys (CMKs), the encryption keys used to encrypt your data."

<https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

Question 40:

Skipped

The term "fault tolerance" relates to the following:

-

A. the ability of an application to accommodate growth without changing design

-

B. how well and how quickly an application's environment can have lost data restored

-

C. how secure your application is

-

D. the built-in redundancy of an application's components

(Correct)

Explanation

Fault-tolerance is the ability for a system to remain in operation even if some of the components used to build the system fail. ... Amazon Web Services (AWS) provides a platform that is ideally suited for building fault-tolerant software systems.

<https://docs.aws.amazon.com/whitepapers/latest/fault-tolerant-components/fault-tolerant-components.pdf>

Question 41:

Skipped

A business is releasing a new application on AWS. The application will be hosted on an Amazon Elastic Compute Cloud (EC2) instance. Additional EC2 instances will be required as the demand grows. Which AWS service or technology can the business utilize to deploy the required number of EC2 instances?

-
- **A. Elastic Load Balancing**
-
- **B. Amazon EC2 Auto Scaling**
- (Correct)
-
- **C. AWS App2Container (A2C)**
-
- **D. AWS Systems Manager**

Explanation

B. The question is "deploy the required number of EC2 instances? ". ELB is required, but ELB can't do "deploy the required number of EC2 instances."

Question 42:

Skipped

Which service enables users to store data in the Amazon Web Services cloud?

-

A. Amazon EFS

(Correct)

-

B. Amazon Redshift

-

C. Amazon RDS

-

D. Amazon VPC

Explanation

EFS stores data in and across multiple Availability Zones. The duplicate storage enables you to access data concurrently from all the Availability Zones in the Region where a file system is located.

Question 43:

Skipped

What may aid in the evaluation of a cloud-based application? (Select two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
(Correct)
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
(Correct)
- E. AWS Secrets Manager

Explanation

Not A, I cannot assist, sorry.

Question 44:

Skipped

What is AWS Storage Gateway's purpose?

- A. It ensures on-premises data storage is 99.99999999% durable.
- B. It transports petabytes of data to and from AWS.
-

C. It connects to multiple Amazon EC2 instances.

-

D. It connects on-premises data storage to the AWS Cloud.

(Correct)

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 45:

Skipped

Which sort of storage does Amazon Elastic File System (Amazon EFS) and Amazon FSx provide?

-

A. File storage

(Correct)

-

B. Object storage

-

C. Block storage

-

D. Instance store

Explanation

Reference: <https://pilotcoresystems.com/insights/ebs-efs-fsx-s3-how-these-storage-options-differ>

Question 46:

Skipped

Which of the following may be used to restrict certain users' access to Amazon Simple Storage Service (Amazon S3) buckets?

-

A. A public and private key-pair

-

B. Amazon Inspector

-

C. AWS Identity and Access Management (IAM) policies

(Correct)

-

D. Security Groups

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 47:

Skipped

Which capabilities or services are available for monitoring an AWS account's charges and expenses? (Select two.)

-

A. AWS Cost and Usage report

(Correct)

-

B. AWS product pages

-

C. AWS Simple Monthly Calculator

-

D. Billing alerts and Amazon CloudWatch alarms

(Correct)

-

E. AWS Price List API

Explanation

A & D without a doubt! The keyword here is monitoring! With C , you cannot monitor current expenditure with the calculator

Question 48:

Skipped

Which of the following advantages does Amazon Relational Database Service (Amazon RDS) provide over conventional database management?

-

A. AWS manages the data stored in Amazon RDS tables.

-

B. AWS manages the maintenance of the operating system.

(Correct)

-

C. AWS automatically scales up instance types on demand.

-

D. AWS manages the database type.

Explanation

B! - Amazon RDS upgrades the operating system to a newer version to improve database performance and customers' overall security posture.

[https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_UpgradeDBInst](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_UpgradeDBInstance.Maintenance.html)

ance.Maintenance.html C is misleading, but it's wrong because based on

<https://aws.amazon.com/about-aws/whats-new/2019/06/rds-storage-auto-scaling/>,

they say "scale storage capacity", and C says scale instance types, which does not

make much sense to me..

Question 49:

Skipped

Which AWS service enables a business to identify and reroute customers to other servers in the event of a website server outage?

-

A. Amazon CloudFront

-

B. Amazon GuardDuty

-

C. Amazon Route 53

(Correct)

-

D. AWS Trusted Advisor

Explanation

C- "We are excited to announce the release of DNS Failover for Route 53, Amazon's Domain Name System (DNS) web service. With DNS Failover, Amazon Route 53 can help detect an outage of your website and redirect your end users to alternate locations where your application is operating properly..."

<https://aws.amazon.com/about-aws/whats-new/2013/02/11/announcing-dns-failover-for-route-53/>

Question 50:

Skipped

A cloud practitioner has a seldom run data analysis job that can be stopped without causing damage. Which Amazon EC2 purchase option should be utilized to maximize cost savings?

-

A. On-Demand Instances

-

B. Reserved Instances

-

C. Spot Instances

(Correct)

-

D. Dedicated Hosts

Explanation

Reference: <https://aws.amazon.com/ec2/pricing/>

Question 51:

Skipped

A business wishes to transfer its apps to an AWS VPC. These apps will need access to resources located on-premises. Which combination of activities will allow the business to achieve this objective? (Select 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.

(Correct)

- 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.

(Correct)

- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

Explanation

Reference: <https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/>

Question 52:

Skipped

Which design concept is fulfilled by adhering to the AWS Well-Architected Framework's dependability pillar?

- A. Vertical scaling

-

B. Manual failure recovery

-

C. Testing recovery procedures

(Correct)

-

D. Changing infrastructure manually

Explanation

Reliability Test recovery procedures - Use automation to simulate different failures or to recreate scenarios that led to failures before

Question 53:

Skipped

A startup is developing a new application that must be launched immediately. In the near future, the application criteria may need to be changed. Which of the following is an AWS Cloud feature that would fulfill this particular requirement?

-

A. Elasticity

-

B. Reliability

-

C. Performance

-

D. Agility

(Correct)

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> Elasticity has nothing to do to "requirements", it adding and shrinking resources The correct answer is Agility

Question 54:

Skipped

Which AWS service does Chef and Puppet utilize to automate configuration management?

-

A. AWS Config

-

B. AWS OpsWorks

(Correct)

-

C. AWS CloudFormation

-

D. AWS Systems Manager

Explanation

Reference: <https://aws.amazon.com/opsworks/>

Question 55:

Skipped

Which AWS service or product enables an organization to automate the delivery of application changes?

-

A. Amazon AppFlow

-

B. AWS CodeDeploy

(Correct)

-

C. AWS PrivateLink

-

D. Amazon EKS Distro

Explanation

Reference: <https://aws.amazon.com/codedeploy/>

Question 56:

Skipped

Which AWS service would determine if a security group has granted unlimited access to a resource?

-

A. AWS Trusted Advisor

(Correct)

-

B. Amazon CloudWatch

-

C. VPC Flow Logs

-

D. AWS CloudTrail

Explanation

Answer is "A", Trusted Advisor. Security Groups - Unrestricted Access Checks security groups for rules that allow unrestricted access to a resource.

Question 57:

Skipped

Which of the following is a design concept associated with dependability in the AWS Well-Architected Framework?

-

A. Deployment to a single Availability Zone

-

B. Ability to recover from failure

(Correct)

-

C. Design for cost optimization

-

D. Perform operations as code

Explanation

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question 58:

Skipped

Seasonal sales surges occur many times a year for an online retailer, most notably during the holidays. At other times of year, demand is lower. The corporation has difficulty forecasting the seasonal increase in infrastructure demand. Which benefits of migrating to the AWS Cloud would be the most beneficial to the business? (Select two.)

-

A. Global footprint

-

B. Elasticity

(Correct)

-

C. AWS service quotas

-

D. AWS shared responsibility model

-

E. Pay-as-you-go pricing

(Correct)

Explanation

Reference: <https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

Question 59:

Skipped

A corporation is required by law to track and assess configuration changes to AWS resources, as well as to conduct corrective steps. Which Amazon Web Services (AWS) service should the business use?

-

A. AWS Config

(Correct)

-
- **B. AWS Secrets Manager**
-
- **C. AWS CloudTrail**
-
- **D. AWS Trusted Advisor**

Explanation

Reference: <https://aws.amazon.com/config/>

Question 60:

Skipped

A Load Balancer Elastic enables online traffic to be distributed across multiple:

-
- **A. AWS Regions.**
-
- **B. Availability Zones.**
- **(Correct)**
-
- **C. Dedicated Hosts.**
-
- **D. Amazon S3 buckets.**

Explanation

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

For Amazon RDS databases what does AWS perform on your behalf? (Choose TWO)

- Database setup.
(Correct)
- Network traffic protection.
- Access management.
- Management of firewall rules.
- Management of the operating system.

(Correct)

Question 2:

Skipped

A company is running a large web application that needs to always be available. The application tends to slow down when CPU usage is greater than 60%. How can they track when CPU usage goes above 60% for any of the EC2 Instances in their account?

- Set the AWS Config CPU threshold to 60% to receive a notification when EC2 usage exceeds that value.
- Use CloudFront to monitor the CPU usage.
- Use SNS to monitor the utilization of the server.
-

Use CloudWatch Alarms to monitor the CPU and alert when the CPU usage is >= 60%.

(Correct)

Question 3:

Skipped

Which of the following services allows you to install and run custom relational database software?

- **Amazon Cognito.**
- **Amazon Inspector.**
- **Amazon RDS.**
- **Amazon EC2.**

(Correct)

Question 4:

Skipped

Which of the following procedures can reduce latency when your end users are retrieving data? (Choose TWO)

- **Replicate media assets to at least two availability zones.**
- **Store media assets in the region closest to your end users.**
- **Store media assets on an additional EBS volume and increase the capacity of your server.**

-

Store media assets in S3 and use CloudFront to distribute these assets.

(Correct)

-

Reduce the size of media assets using the Amazon Elastic Transcoder.

Question 5:

Skipped

What does the AWS "Business" support plan provide? (Choose TWO)

-

Proactive Technical Account Management.

-

Access to the full set of Trusted Advisor checks.

(Correct)

-

Support Concierge Service.

-

AWS Support API.

(Correct)

-

Less than 15 minutes response-time support if your business critical system goes down.

Question 6:

Skipped

An organization uses a hybrid cloud architecture to run their business. Which AWS service enables them to deploy their applications to any AWS or on-premises server?

-

Amazon QuickSight.

- Amazon Kinesis.
- AWS CodeDeploy.
(Correct)
- Amazon Athena.

Question 7:

Skipped

What best describes penetration testing?

- Testing your instances to check for the unhealthy ones.
- Testing your network to find security vulnerabilities that an attacker could exploit.
(Correct)
- Testing your software for bugs and errors.
- Testing your application's response time from different locations.

Question 8:

Skipped

Which of the following are factors should be considered for Amazon EBS pricing?
(Choose TWO)

- The amount of data you have stored in snapshots.
(Correct)

- The compute capacity you consume.
- The size of volumes provisioned per month.
(Correct)
- The number of Snowball storage devices you request.
- The compute time you consume.

Question 9:

Skipped

For new AWS customers what is the EASIEST way to launch a simple WordPress website on AWS?

- Use the Amazon S3 Web hosting feature.
- Host the website directly on AWS Cloud Development Kit (AWS CDK).
- Install WordPress on an Amazon EC2 instance.
- Run WordPress on an Amazon Lightsail instance.

(Correct)

Question 10:

Skipped

Which of the following Cloud Computing deployment models eliminates the need to run and maintain physical data centers?

-

PaaS.

-

On-premises.

-

IaaS.

-

Cloud.

(Correct)

Question 11:

Skipped

You are working as a web app developer. You are currently facing issues in media playback for mobile devices because your media format is not supported. Which of the following AWS services can help you convert your media into another format?

-

Amazon Rekognition.

-

AmazonS3.

-

Amazon Elastic Transcoder.

(Correct)

-

Amazon Pinpoint.

Question 12:

Skipped

What are some of the benefits of using On-Demand EC2 instances? (Choose TWO)

-

You can increase or decrease your compute capacity depending on the demands of your application.

(Correct)

-

They remove the need to buy “safety net” capacity to handle periodic traffic spikes.

(Correct)

-

They are cheaper than all other EC2 options.

-

They only require 1-2 days for setup and configuration.

-

They provide free capacity when testing your new applications.

Question 13:

Skipped

The owner of an E-Commerce application notices that the compute capacity requirements vary heavily from time to time. What makes AWS more economical than traditional data centers for this type of application?

-

AWS allows customers to pay upfront to get bigger discounts.

-

AWS allows customers to launch and terminate EC2 instances based on demand.

(Correct)

-

AWS allows customers to launch powerful EC2 instances to handle spikes in load.

-

AWS allows customers to choose cheaper types of EC2 instances that best fit their needs.

Question 14:

Skipped

Which of the following services gives you access to all AWS auditor-issued reports and certifications?



AWS Config.



Amazon CloudWatch.



AWS Artifact.

(Correct)



AWS CloudTrail.

Question 15:

Skipped

Which AWS service collects metrics from running EC2 instances?



AWS CloudFormation.



AWS CloudTrail.



Amazon CloudWatch.

(Correct)



Amazon Inspector.

Question 16:

Skipped

You need to migrate a large number of on-premises workloads to AWS. Which AWS service is the most appropriate?

-

AWS Server Migration Service.

(Correct)

-

AWS Application Discovery Service.

-

AWS Database Migration Service.

-

AWS File Transfer Acceleration.

Question 17:

Skipped

Which AWS service helps developers compile and test their code?

-

CloudEndure.

-

AWS CodeDeploy.

-

AWS CodeCommit.

-

AWS CodeBuild.

(Correct)

Question 18:

Skipped

What can you use to assign permissions directly to an IAM user?

-

IAM Policy.

(Correct)

-

IAM Group.

-

IAM Role.

-

IAM Identity.

Question 19:

Skipped

What does AWS Cost Explorer provide to help manage your AWS spend?

-

Cost comparisons between AWS Cloud environments and on-premises environments.

-

Highly accurate cost forecasts for up to 12 months ahead.

(Correct)

-

Consolidated billing.

-

Accurate estimates of AWS service costs based on your expected usage.

Question 20:

Skipped

A financial services company decides to migrate one of its applications to AWS. The application deals with sensitive data such as credit card information and must run on a PCI-compliant environment. Which of the following is the company's responsibility when building a PCI-compliant environment in AWS? (Choose TWO)

-

Restrict any access to cardholder data and create a policy that addresses information security for all personnel.

(Correct)

-

Start the migration process immediately as all AWS services are PCI compliant.

-

Ensure that AWS services are configured properly to meet all PCI DSS standards.

(Correct)

-

Configure the underlying infrastructure of AWS services to meet all PCI DSS requirements.

-

Ensure that all PCI DSS physical security requirements are met.

Question 21:

Skipped

Which of the following AWS Support Plans gives you 24/7 access to Cloud Support Engineers via email & phone? (Choose TWO)

-

Enterprise.

(Correct)

-

Standard.

-

Developer.

-

Business.

(Correct)

-

Premium.

Question 22:

Skipped

Your application requirements for CPU and RAM are changing in an unpredictable way. Which service can be used to dynamically adjust these resources based on load?

-

Amazon Route53.

-

Amazon Elastic Container Service.

-

ELB.

-

Auto Scaling.

(Correct)

Question 23:

Skipped

What should you consider when storing data in Amazon Glacier?

-

Attach Glacier to an EC2 Instance to be able to store data.

-

Amazon Glacier does not provide immediate retrieval of data.

(Correct)

-

Amazon Glacier only accepts data in a compressed format.

-

Glacier can only be used to store frequently accessed data and data archives.

Question 24:

Skipped

Which of the following is a feature of Amazon RDS that performs automatic failover when the primary database fails to respond?

-

RDS Multi-AZ.

-

RDS Snapshots.

-

RDS Single-AZ.

-

RDS Write Replica.

(Correct)

Question 25:

Skipped

Which of the below options are use cases of the Amazon Route 53 service?

(Choose TWO)

-

Detects configuration changes in the AWS environment.

-

Provides infrastructure security optimization recommendations.

-

Point-to-point connectivity between an on-premises data center and AWS.

-

DNS configuration and management.

(Correct)

-

Manages global application traffic through a variety of routing types.

(Correct)

Question 26:

Skipped

What is the main benefit of the AWS Storage Gateway service?

-

It automates the process of building maintaining and running ETL jobs.

-

It provides hardware-based key storage for regulatory compliance.

-

It provides physical devices to migrate data from on premises to AWS.

-

It allows integration of on-premises IT environments with Cloud Storage.

(Correct)

Question 27:

Skipped

Which tool can a non-AWS customer use to compare the cost of on-premises environment resources to AWS?

-

AWS Budgets.

-

AWS TCO Calculator.

(Correct)

-

AWS Cost Explorer.

-

AWS Pricing Calculator.

Question 28:

Skipped

What can you access by visiting the URL: <http://status.aws.amazon.com>?

-

AWS Cost Dashboard.

-

AWS Security Dashboard.

-

AWS Service Health Dashboard.

(Correct)

-

AWS Billing Dashboard.

Question 29:

Skipped

Which of the following compute resources are serverless? (Choose TWO)

-

Amazon EMR.

-

AWS Lambda.

(Correct)

-

AWS Fargate.

(Correct)

-

Amazon EC2.

-

Amazon ECS.

Question 30:

Skipped

Which of the following is an available option when purchasing Amazon EC2 instances?

-

The ability to register EC2 instances to get volume discounts on every hour the instances are running.

-

The ability to buy Dedicated Instances for up to 90% discount.

-

The ability to pay upfront to get lower hourly costs.

(Correct)

-

The ability to bid to get the lowest possible prices.

Question 31:

Skipped

What AWS service allows you to buy third-party software solutions and services that run on AWS resources?

-

AWS Marketplace.

(Correct)

-

Resource Groups.

-

AWS Application Discovery service.

-

Amazon DevPay.

Question 32:

Skipped

Which pillar of the AWS Well-Architected Framework provides recommendations to help customers select the right compute resources based on workload requirements?

-

Operational Excellence.

-

Reliability.

-

Performance Efficiency.

(Correct)

-

Security.

Question 33:

Skipped

Each AWS Region is composed of multiple Availability Zones. Which of the following best describes what an Availability Zone is?

-

It is a distinct location within a region that is insulated from failures in other Availability Zones.

(Correct)

-

It is a data center designed to be completely isolated from other data centers in the same region.

-

It is a logically isolated network of the AWS Cloud.

-

It is a collection of data centers distributed in multiple countries.

Question 34:

Skipped

Which of the following strategies helps protect your AWS root account?

-

Delete root user access keys if you do not need them.

(Correct)

-

Only share your AWS account password or access keys with trusted persons.

-

Access the root account only from your personal Mobile Phone.

-

Apply MFA for the root account and use it for all of your work.

Question 35:

Skipped

Why are Serverless Architectures more economical than Server-based Architectures?

-

With the Server-based Architectures compute resources continue to run all the time but with serverless architecture compute resources are only used when code is being executed.

(Correct)

-

When you reserve serverless capacity you will get large discounts compared to server reservation.

-

Serverless Architectures use new powerful computing devices.

-

With Serverless Architectures you have the ability to scale automatically up or down as demand changes.

Question 36:

Skipped

Which of the following services enables you to easily generate and use your own encryption keys in the AWS Cloud?

-

AWS WAF.

-

AWS Certificate Manager.

-

AWS Shield.

-

AWS CloudHSM.

(Correct)

Question 37:

Skipped

Which statement is true in relation to the security of Amazon EC2?

-

You can track all API calls using Amazon Athena.

-

You should use instance store volumes to store login data.

-

You should regularly patch the operating system and applications on your EC2 instances.

(Correct)

-

You should deploy critical components of your application in the Availability Zone that you trust.

Question 38:

Skipped

Which of the following strategies help analyze costs in AWS?

-

Configuring Amazon Inspector to automatically analyze costs and email reports.

-

Deploying resources of the same type in different regions.

-

Using AWS CloudFormation to automate the deployment of resources.

-

Using tags to group resources.

(Correct)

Question 39:

Skipped

Which AWS service allows you to build a data warehouse in the cloud?

-

Amazon RDS.

-

Amazon Redshift.

(Correct)

-

AWS Shield.

-

Amazon Comprehend.

Question 40:

Skipped

What are the benefits of the AWS Organizations service? (Choose TWO)

-

Control access to AWS services.

(Correct)

-

Manage your organization's payment methods.

-

Help organization achieve their desired business outcomes with AWS.

-

Help organizations design and maintain an accelerated path to successful cloud adoption.

-

Consolidate billing across multiple AWS accounts.

(Correct)

Question 41:

Skipped

Which AWS service can be used to route end users to the nearest AWS Region to reduce latency?

-

Amazon Route 53.

(Correct)

-

AWS Systems Manager.

-

Amazon Cognito.

-

AWS Cloud9.

Question 42:

Skipped

Which of the following are valid Amazon EC2 Reserved Instance types? (Choose TWO)

-

Standard.

(Correct)

-

Expedited.

-

Spot.

-

Convertible.

(Correct)

-

Bulk.

Question 43:

Skipped

Which of the following AWS support plans provides access to only the seven core AWS Trusted Advisor checks?

-

Developer & Enterprise Support.

-

Developer & Business Support.

-

Business & Enterprise Support.

-

Basic & Developer Support.

(Correct)

Question 44:

Skipped

Which of the below options is true of Amazon VPC?

-

Amazon VPC allows customers to control user interactions with all other AWS resources.

-

Amazon VPC helps customers to review their AWS architecture and adopt best practices.

-

AWS Customers have complete control over their Amazon VPC virtual networking environment.

(Correct)

-

AWS is responsible for all the management and configuration details of Amazon VPC.

Question 45:

Skipped

A company is migrating production workloads to AWS and they are concerned about cost management across different departments. Which option should the company implement to categorize and track AWS spending?

-

Configure AWS Price List API to receive billing updates for each department automatically.

-

Apply cost allocation tags to segment AWS costs by different projects and departments.

(Correct)

-

Use Amazon Aurora to forecast AWS spending based on usage .

-

Use the AWS Pricing Calculator service to monitor the costs incurred by each department.

Question 46:

Skipped

Engineers are wasting a lot of time and effort managing batch computing software in traditional data centers. Which of the following AWS services allows them to easily run thousands of batch computing jobs?

-

Lambda@Edge.

-

AWS Fargate.

-

Amazon EC2.

-

AWS Batch.

(Correct)

Question 47:

Skipped

According to the AWS shared responsibility model what are the controls that customers fully inherit from AWS? (Choose TWO)

-

Communications controls.

-

Environmental controls.

(Correct)

-

Data center security controls.

(Correct)

-

Awareness and Training.

-

Resource Configuration Management.

Question 48:

Skipped

What does the Amazon CloudFront service provide? (Choose TWO)

-

Tracks user activity and API usage.

-

Increases application availability by caching at the edge.

(Correct)

-

Stores archived data at very low costs.

-

Delivers content to end users with low latency.

(Correct)

-

Enables faster disaster recovery.

Question 49:

Skipped

Select the services that are server-based: (Choose TWO)

- AWS Fargate.
- AWS Lambda.
- Amazon EMR.
(Correct)
- Amazon DynamoDB.
- Amazon RDS.
(Correct)

Question 50:

Skipped

What does Amazon GuardDuty do to protect AWS accounts and workloads?

- Notifies AWS customers about abuse events once they are reported.
- Helps AWS customers identify the root cause of potential security issues.
- Continuously monitors AWS infrastructure and helps detect threats such as attacker reconnaissance or account compromise.
(Correct)
-

Checks security groups for rules that allow unrestricted access to AWS resources.

Question 51:

Skipped

You have just set up your AWS environment and have created six IAM user accounts for the DevOps team. What is the AWS recommendation when granting permissions to these IAM accounts?

- - For security purposes you should not grant any permission to the DevOps team.**
 -
 - Apply the Principle of Least Privilege.**
- (Correct)**
- - Attach a separate IAM policy for each individual account.**
 -
 - Create six different IAM passwords.**

Question 52:

Skipped

You are facing a lot of problems with your current contact center. Which service provides a cloud-based contact center that can deliver a better service for your customers?

- - Amazon Connect.**
- (Correct)**
- - AWS Direct Connect.**
- - Amazon Lightsail.**

-

AWS Elastic Beanstalk.

Question 53:

Skipped

Which AWS Cost Governance best practice recommends refining workloads regularly to make the most of existing AWS resources and reduce costs?

-

Architecture Optimization.

(Correct)

-

Budgeting Processes.

-

Resource Controls.

-

Tagging Enforcement.

Question 54:

Skipped

You have developed a web application targeting a global audience. Which of the following will help you achieve the highest redundancy and fault tolerance from an infrastructure perspective?

-

Deploy the application in multiple Availability Zones in multiple AWS regions.

(Correct)

-

Deploy the application in multiple Availability Zones in a single AWS region.

-

There is no need to architect for these capabilities in AWS as AWS is redundant by default.

-

Deploy the application in a single Availability Zone.

Question 55:

Skipped

A developer wants to quickly deploy and manage his application in the AWS Cloud but he doesn't have any experience with cloud computing. Which of the following AWS services would help the developer achieve his goal?

-

AWS Elastic Beanstalk.

(Correct)

-

AWS Batch.

-

Amazon Personalize.

-

AWS Fargate.

Question 56:

Skipped

You have multiple standalone AWS accounts and you want to decrease your AWS monthly charges. What should you do?

-

Enable AWS tiered-pricing before provisioning resources.

-

Track the AWS charges that are incurred by the member accounts.

-

Add the accounts to an AWS Organization and use Consolidated Billing.

(Correct)

-

Try to remove unnecessary AWS accounts.

Question 57:

Skipped

Which of the following services provide real-time auditing for compliance and vulnerabilities? (Choose TWO)

-

AWS Trusted Advisor.

(Correct)

-

Amazon MQ.

-

AWS Config.

(Correct)

-

Amazon Redshift.

-

Amazon Cognito.

Question 58:

Skipped

Which of the following AWS services uses Puppet to automate how EC2 instances are configured?

-

AWS CloudFormation.

-

AWS CloudTrail.

-

AWS Quick Starts.

-

AWS OpsWorks.

(Correct)

Question 59:

Skipped

You want to create a backup of your data in another geographical location. Where should you create this backup?

-

In another Availability Zone.

-

In another VPC.

-

In another Region.

(Correct)

-

In another Edge location.

Question 60:

Skipped

Which of the following AWS services integrates with AWS Shield and AWS Web Application Firewall (AWS WAF) to protect against network and application layer DDoS attacks?

-

AWS Secrets Manager.

-

Amazon EFS.

-

Amazon CloudFront.

(Correct)

-

AWS Systems Manager.

Question 61:

Skipped

Who is responsible for scaling a DynamoDB database in the AWS Shared Responsibility Model?

-

Your development team.

-

Your internal DevOps team.

-

Your security team.

-

AWS.

(Correct)

Question 62:

Skipped

Which of the following is a cloud computing deployment model that connects infrastructure and applications between cloud-based resources and existing resources not located in the cloud?

-

On-premises.

-

Mixed.

-

Cloud.

-

Hybrid.

(Correct)

Question 63:

Skipped

Which statement is true in relation to security in AWS?

- **Server side encryption is the responsibility of AWS.**
-
- **AWS is responsible for the security of your application.**
-
- **AWS manages everything related to EC2 operating systems.**
-
- **AWS customers are responsible for patching any database software running on Amazon EC2.**

(Correct)

Question 64:

Skipped

An organization needs to build a financial application that requires support for ACID transactions. Which AWS database service is most appropriate in this case?

- - **DMS.**
 -
 - **RDS.**
- (Correct)**
- - **CloudHSM.**
 -
 - **RedShift.**

Question 65:

Skipped

Which of the following is a benefit of the "Loose Coupling" architecture principle?

- - It eliminates the need for change management.**
 -
 - It allows individual application components or services to be modified without affecting other components.**
- (Correct)
- - It helps AWS customers reduce Privileged Access to AWS resources.**
 -
 - It allows for Cross-Region Replication.**

Question 66:

Skipped

What is the recommended storage option when hosting an often-changing database on an Amazon EC2 instance?

- - Amazon EBS.**
- (Correct)
- - Amazon DynamoDB.**
 -
 - You can't run a database inside an Amazon EC2 instance.**
 -
 - Amazon RDS.**

Question 67:

Skipped

A company is hosting business critical workloads in an AWS Region. To protect against data loss and ensure business continuity a mirror image of the current AWS environment should be created in another AWS Region. Company policy requires that the standby environment must be available in minutes in case of an outage in the primary AWS Region. Which AWS service can be used to meet these requirements?

- CloudEndure Migration.
- AWS Backup.
- AWS Glue.
- CloudEndure Disaster Recovery.

(Correct)

Question 68:

Skipped

What is the benefit of Amazon EBS volumes being automatically replicated within the same availability zone?

-
- Durability.
- (Correct)
-
- Elasticity.
-
- Accessibility.
-
- Traceability.

Question 69:

Skipped

Which of the following makes it easier for you to categorize manage and filter your resources?

-
- AWS Directory Service.**
-
- AWS Service Catalog.**
-
- AWS Tagging.**
- (Correct)**
-
- Amazon CloudWatch.**

Question 70:

Skipped

What is the maximum amount of data that can be stored in S3 in a single AWS account?

-
- 100 PetaBytes.**
-
- 10 Exabytes.**
-
- 5TeraBytes.**
-
- Virtually unlimited storage.**

(Correct)

Question 71:

Skipped

Which feature enables users to sign into their AWS accounts with their existing corporate credentials?

-
- Access keys.**
-
- Federation.**
- (Correct)**
-
- IAM Permissions.**
-
- WAF rules.**

Question 72:

Skipped

Which of the following is NOT a benefit of using AWS Lambda?

-
- There is no charge when your AWS Lambda code is not running.**
-
- AWS Lambda can be called directly from any mobile app.**
-
- AWS Lambda provides resizable compute capacity in the cloud.**
- (Correct)**
-
- AWS Lambda runs code without provisioning or managing servers.**

Question 73:

Skipped

**Which of the following security resources are available to any user for free?
(Choose TWO)**

- AWS TAM.
- AWS Support API.
- AWS Security Blog.
(Correct)
- AWS Classroom Training.
- AWS Bulletins.
(Correct)

Question 74:

Skipped

Your CTO has asked you to contact AWS support using the chat feature to ask for guidance related to EBS. However when you open the AWS support center you can't see a way to contact support via Chat. What should you do?

- The chat feature is available for all plans for an additional fee but you have to request it first.
- At a minimum upgrade to Business support plan.
(Correct)
- Upgrade from the Basic Support plan to Developer Support.
- There is no chat feature in AWS support.

Question 75:

Skipped

The AWS account administrator of your company has been fired. With the permissions granted to him as an administrator he was able to create multiple IAM user accounts and access keys. Additionally you are not sure whether he has access to the AWS root account or not. What should you do immediately to protect your AWS infrastructure? (Choose TWO)

- Use the CloudWatch service to check all API calls that have been made in your account since the administrator was fired.
- Delete all IAM accounts and recreate them.
- Rotate all access keys.
(Correct)
- Change the email address and password of the root user account and enable MFA.
(Correct)
- Download all the attached policies in a safe place.

Question 76:

Skipped

What are some key design principles for designing public cloud systems? (Choose TWO)

- Reserved capacity instead of on demand.
- Servers instead of managed services.
-

Multi-AZ deployments instead of multi-region deployments.

-

Disposable resources instead of fixed servers.

(Correct)

-

Loose coupling over tight coupling.

(Correct)

Question 77:

Skipped

You want to transfer 200 Terabytes of data from on-premises locations to the AWS Cloud which of the following can do the job in a cost-effective way?

-

AWS Snowmobile.

-

AWS DMS.

-

AWS Snowball.

(Correct)

-

AWS Import/Export.

Question 78:

Skipped

Which AWS service provides the EASIEST way to set up and manage a secure well-architected multi-account AWS environment?

-

AWS Systems Manager Patch Manager AWS Security Hub.

-

AWS Systems Manager Patch Manager.

-

Amazon Macie.

-

AWS Control Tower.

(Correct)

Question 79:

Skipped

Which statement is true regarding AWS pricing? (Choose TWO)

-

With the AWS pay-as-you-go pricing model you don't have to pay any upfront fee.

(Correct)

-

You have no responsibility for third-party software license costs.

-

You only pay for the individual services that you need with no long-term contracts.

(Correct)

-

For some services you have to pay a startup fee in order to get the service running.

-

There are no reservations on AWS you only pay for what you use.

Question 80:

Skipped

Which of the following are use cases for Amazon EMR? (Choose TWO)

-

Enables you to move Exabyte-scale data from on-premises datacenters into AWS.

-

Enables you to easily run and manage Docker containers.

-

Enables you to backup extremely large amounts of data at very low costs.

-

Enables you to easily run and scale Apache Spark Hadoop and other Big Data frameworks.

(Correct)

-

Enables you to analyze and process extremely large amounts of data in a timely manner.

(Correct)

Question 81:

Skipped

You have migrated your application to AWS recently. How can you view the AWS costs applied to your account?

-

Using the AWS CloudWatch logs dashboard.

-

Using the Amazon VPC dashboard.

-

Using the AWS Cost & Usage Report.

(Correct)

-

Using the AWS Total Cost of Ownership (TCO) dashboard.

Question 82:

Skipped

Which of the following are part of the seven design principles for security in the cloud? (Choose TWO)

-

Use IAM roles to grant temporary access instead of long-term credentials.

(Correct)

-

Use manual monitoring techniques to protect your AWS resources.

-

Scale horizontally to protect from failures.

-

Enable real-time traceability.

(Correct)

-

Never store sensitive data in the cloud.

Question 83:

Skipped

What factors determine how you are charged when using AWS Lambda? (Choose TWO)

-

Storage consumed.

-

Number of volumes.

-

Compute time consumed.

(Correct)

- Number of requests to your functions.

(Correct)

- Placement groups.

Question 84:

Skipped

What are the main differences between an IAM user and an IAM role in AWS?
(Choose TWO)

- An IAM user is uniquely associated with only one person however a role is intended to be assumable by anyone who needs it.

(Correct)

- An IAM user has permanent credentials associated with it however a role has temporary credentials associated with it.

(Correct)

- A role is uniquely associated with only one person however an IAM user is intended to be assumable by anyone who needs it.

- An IAM user has temporary credentials associated with it however a role has permanent credentials associated with it.

IAM users are more cost effective than IAM roles.

Question 85:

Skipped

Which of the following services is used when encrypting EBS volumes?

-

Amazon GuardDuty.

-

AWS WAF.

-

Amazon Macie.

-

AWS KMS.

(Correct)

Question 86:

Skipped

To protect against data loss you need to backup your database regularly. What is the most cost-effective storage option that provides immediate retrieval of your backups?

-

Amazon S3 Glacier Deep Archive.

-

Amazon S3 Standard-Infrequent Access.

(Correct)

-

Amazon S3 Glacier.

-

Instance Store.

Question 87:

Skipped

Which of the following can help secure your sensitive data in Amazon S3? (Choose TWO)

-

With AWS you do not need to worry about encryption.

- **Delete all IAM users that have access to S3.**
- **Delete the encryption keys once your data is encrypted.**
- **Enable S3 Encryption.**
(Correct)
- **Encrypt the data prior to uploading it.**
(Correct)

Question 88:

Skipped

A media company has an application that requires the transfer of large data sets to and from AWS every day. This data is business critical and should be transferred over a consistent connection. Which AWS service should the company use?

- **AWS Snowmobile.**
- **AWS Direct Connect.**
(Correct)
- **Amazon Comprehend.**
- **AWS VPN.**

Question 89:

Skipped

A company wants to use Amazon Elastic Container Service (Amazon ECS) to run its containerized applications. For compliance reasons the company wants to retain

complete visibility and control over the underlying server cluster. Which Amazon ECS launch type will satisfy these requirements?

-
- Fargate launch type.**
-
- Lambda launch type.**
-
- Lightsail launch type.**
-
- EC2 launch type.**

(Correct)

Question 90:

Skipped

Which of the following S3 storage classes is most appropriate to host static assets for a popular e-commerce website with stable access patterns?

-
- S3 Standard.**
- (Correct)**
-
- S3 Intelligent-Tiering.**
-
- S3 Glacier Deep Archive.**
-
- S3 Standard-IA.**

Question 91:

Skipped

Which of the following requires an access key ID and a secret access key to get long-lived programmatic access to AWS resources? (Choose TWO)

- AWS account root user.

(Correct)

- IAM role.
- TAM.
- IAM user.

(Correct)

- IAM group.

Question 92:

Skipped

How does AWS help customers achieve compliance in the cloud?

- Many AWS services are assessed regularly to comply with local laws and regulations.

- AWS applies the most common Cloud security standards and is responsible for complying with customers' applicable laws and regulations.

- It's not possible to meet regulatory compliance requirements in the Cloud.

AWS has many common assurance certifications such as ISO 9001 and HIPAA.

(Correct)

Question 93:

Skipped

Who from the following will get the largest discount?

- A user who chooses to buy On-demand Convertible Partial upfront instances.
- A user who chooses to buy Reserved Standard All upfront instances.
(Correct)
- A user who chooses to buy Reserved Standard No upfront instances.
- A user who chooses to buy Reserved Convertible All upfront instances.

Question 94:

Skipped

The elasticity of the AWS Cloud enables customers to save costs when compared to traditional hosting providers. What can AWS customers do to benefit from the elasticity of the AWS Cloud? (Choose TWO)

- Use Serverless Computing whenever possible.
(Correct)
- Deploy your resources across multiple Availability Zones.
- Deploy your resources in another region.

Use Amazon EC2 Auto Scaling.

(Correct)

-
-

Use Elastic Load Balancing.

Question 95:

Skipped

Which statement best describes the AWS Pay-As-You-Go pricing model?

-
-

With AWS you replace low upfront expenses with large variable payments.

-
-

With AWS you replace large upfront expenses with low fixed payments.

-
-

With AWS you replace low upfront expenses with large fixed payments.

-
-

With AWS you replace large capital expenses with low variable payments.

(Correct)

Question 96:

Skipped

Where can AWS account owners get a list of all users in their account including the status of their AWS credentials?

-
-

IAM Credential Report.

(Correct)

-
-

AWS Artifact reports.

-
-

AWS CloudTrail Trails.

-
-

AWS Cost and Usage Report.

Question 97:

Skipped

For some services AWS automatically replicates data across multiple Availability Zones to provide fault tolerance in the event of a server failure or Availability Zone outage. Select TWO services that automatically replicate data across Availability Zones.

- **DynamoDB.**
- (Correct)
- **Instance Store.**
- **Amazon Route 53.**
- **S3.**
- (Correct)
- **AWS VPN.**

Question 98:

Skipped

Which of the following has the greatest impact on cost? (Choose TWO)

- **Data Transfer In charges.**
 - **The number of services used.**
 - **Compute charges.**
- (Correct)

-

Data Transfer Out charges.

(Correct)

-

The number of IAM roles provisioned.

Question 99:

Skipped

Which database service should you use if your application and data schema require "joins" or complex transactions?

-

Amazon RDS.

(Correct)

-

Amazon DynamoDB.

-

Amazon DocumentDB.

-

AWS Outposts.

Question 100:

Skipped

Which of the following resources can an AWS customer use to learn more about prohibited uses of the services offered by AWS?

-

AWS Budgets.

-

AWS Service Control Policies (SCPs).

-

AWS Artifact.

-

AWS Acceptable Use Policy.

(Correct)

Question 101:

Skipped

You have a real-time IoT application that requires sub-millisecond latency. Which of the following services should you use?

-

Amazon Redshift.

-

AWS Cloud9.

-

Amazon Athena.

-

Amazon ElastiCache for Redis.

(Correct)

Question 102:

Skipped

How can you protect data stored on Amazon S3 from accidental deletion?

-

By disabling S3 Cross-Region Replication (CRR).

-

By configuring S3 Bucket Policies.

-

By configuring S3 Lifecycle Policies.

-

By enabling S3 Versioning.

(Correct)

Question 103:

Skipped

Which service can you use to route traffic to the endpoint that provides the best application performance for your users worldwide?

- AWS DAX Accelerator.
- AWS Global Accelerator.
- AWS Transfer Acceleration.
- AWS Data Pipeline.

Question 104:

Skipped

You manage a blog on AWS that has different environments: development testing and production. What can you use to create a custom console for each environment to view and manage your resources easily?

- AWS Placement Groups.
- AWS Tag Editor.
- AWS Resource Groups.

(Correct)

AWS Management Console.

Question 105:

Skipped

Which of the following would you use to manage your encryption keys in the AWS Cloud? (Choose TWO)

- AWS KMS.
- (Correct) AWS CodeCommit.
- AWS CodeDeploy.
- AWS Certificate Manager.
- CloudHSM.

(Correct)

Question 106:

Skipped

A company experiences fluctuations in traffic patterns to their e-commerce website when running flash sales. What service can help the company dynamically match the required compute capacity to handle spikes in traffic during flash sales?

- Amazon Elastic File System.
- AWS Auto Scaling.
- (Correct)

Amazon ElastiCache.

-

Amazon Elastic Compute Cloud.

Question 107:

Skipped

A company has infrastructure hosted in an on-premises data center. They currently have an operations team that takes care of identity management. If they decide to migrate to the AWS cloud which of the following services would help them perform the same role in AWS?

-

AWS Outposts.

-

AWS Federation.

-

Amazon Redshift.

-

AWS IAM.

(Correct)

Question 108:

Skipped

What does the term “Economies of scale” mean?

-

It means as more time passes using AWS you pay more for its services.

-

It means that you save more when you consume more.

-

It means that AWS will continuously lower costs as it grows.

(Correct)

-

It means that you have the ability to pay as you go .

Question 109:

Skipped

You are using several on-demand EC2 Instances to run your development environment. What is the best way to reduce your charges when these instances are not in use?

-

Stopping the instances .

(Correct)

-

Deleting all EBS volumes attached to the instances.

-

Terminating the instances.

-

You cannot minimize charges for on-demand instances.

Question 110:

Skipped

You have been tasked with auditing the security of your VPC. As part of this process you need to start by analyzing what inbound and outbound traffic is allowed on your EC2 instances. What two parts of the VPC do you need to check to accomplish this task?

-

Security Groups and Network ACLs.

(Correct)

-

Security Groups and Internet Gateways.

-

Network ACLs and Traffic Manager.

-

Network ACLs and Subnets.

Question 111:

Skipped

Amazon RDS supports multiple database engines to choose from. Which of the following is not one of them?

-

Teradata.

(Correct)

-

Microsoft SQL Server.

-

Oracle.

-

PostgreSQL.

Question 112:

Skipped

Which of the following services is an AWS repository management system that allows for storing versioning and managing your application code?

-

AWS CodeCommit.

(Correct)

-

AWS X-Ray.

-

AWS CodePipeline.

-

Amazon Inspector.

Question 113:

Skipped

What are some key benefits of using AWS CloudFormation? (Choose TWO)

- It helps AWS customers deploy their applications without worrying about the underlying infrastructure.
 - It automates the provisioning and updating of your infrastructure in a safe and controlled manner.
- (Correct)
- It compiles and builds application code in a timely manner.
 - It applies advanced IAM security features automatically.
 - It allows you to model your entire infrastructure in just a text file.

(Correct)

Question 114:

Skipped

AWS provides disaster recovery capability by allowing customers to deploy infrastructure into multiple _____ .

- Edge locations.
- Support plans.
- Transportation devices.

-

Regions.

(Correct)

Question 115:

Skipped

Which of the following is the responsibility of AWS according to the AWS Shared Responsibility Model?

-

Securing access to AWS resources.

-

Securing regions and edge locations.

(Correct)

-

Performing auditing tasks.

-

Monitoring AWS resources usage.

Question 116:

Skipped

Your web application currently faces performance issues and suffers from long load times. Which of the following AWS services could help fix these issues and improve performance?

-

AWS Security Hub.

-

Amazon Detective.

-

AWS X-Ray.

(Correct)

-

AWS Shield.

Question 117:

Skipped

What is the main benefit of attaching security groups to an Amazon RDS instance?

-

Distributes incoming traffic across multiple targets.

-

Manages user access and encryption keys.

-

Deploys SSL/TLS certificates for use with your database instance.

-

Controls what IP address ranges can connect to your database instance.

(Correct)

Question 118:

Skipped

Which of the following actions may reduce Amazon EBS costs? (Choose TWO)

-

Deleting unnecessary snapshots.

(Correct)

-

Using reservations.

-

Deleting unused buckets.

-

Distributing requests to multiple volumes.

-

Changing the type of the volume.

(Correct)

Question 119:

Skipped

Which of the following AWS services would help you migrate on-premise databases to AWS?

-

Amazon S3 Transfer Acceleration.

-

AWS Directory Service.

-

AWS Transit Gateway.

-

AWS DMS.

(Correct)

Question 120:

Skipped

You are planning to launch an advertising campaign over the coming weekend to promote a new digital product. It is expected that there will be heavy spikes in load during the campaign period and you can't afford any downtime. You need additional compute resources to handle the additional load. What is the most cost-effective EC2 instance purchasing option for this job?

-

Reserved Instances.

-

On-Demand Instances.

(Correct)

-

Spot Instances.

-

Savings Plans.

Question 121:

Skipped

You have just finished writing your application code. Which service can be used to automate the deployment and scaling of your application?

-

Amazon Elastic File System.

-

AWS CodeCommit.

-

Amazon Simple Storage Service.

-

AWS Elastic Beanstalk.

(Correct)

Question 122:

Skipped

Amazon EC2 instances are conceptually very similar to traditional servers. However using Amazon EC2 server instances in the same manner as traditional hardware server instances is only a starting point. What are the main benefits of using the AWS EC2 instances instead of traditional servers? (Choose TWO)

-

Provides automatic data backups.

-

Can be scaled manually in a shorter period of time.

(Correct)

-

Prevents unauthorized users from getting into your network.

-

Provides your business with a seamless remote accessibility.

-

Improves Fault-Tolerance.

(Correct)

Question 123:

Skipped

You are working as a site reliability engineer (SRE) in an AWS environment which of the following services helps monitor your applications?

-

Amazon CloudWatch.

(Correct)

-

Amazon Elastic MapReduce.

-

Amazon CloudSearch.

-

Amazon CloudHSM.

Question 124:

Skipped

For compliance and regulatory purposes a government agency requires that their applications must run on hardware that is dedicated to them only. How can you meet this requirement?

-

Use EC2 Reserved Instances.

-

Use EC2 Spot Instances.

-

Use EC2 Dedicated Hosts.

(Correct)

-

Use EC2 On-demand Instances.

Question 125:

Skipped

What is the Amazon ElastiCache service used for? (Choose TWO)

-

Improve web application performance.

(Correct)

-

Provide an in-memory data storage service.

(Correct)

-

Reduce delivery costs using Edge Locations.

-

Distribute requests to multiple instances.

-

Provide a Chef-compatible cache to speed up application response.

Question 126:

Skipped

What are the benefits of the AWS Marketplace service? (Choose TWO)

-

Provides cheaper options for purchasing Amazon EC2 on-demand instances.

-

Protects customers by performing periodic security checks on listed products.

(Correct)

-

Per-second billing.

-

Provides software solutions that run on AWS or any other Cloud vendor.

-

Provides flexible pricing options that suit most customer needs.

(Correct)

Question 127:

Skipped

A company needs to host a big data application on AWS using EC2 instances. Which of the following AWS Storage services would they choose to automatically get high throughput to multiple compute nodes?

-

Amazon Elastic Block Store.

-

AWS Storage Gateway.

-

Amazon Elastic File System.

(Correct)

-

S3.

Question 128:

Skipped

How can you increase your application's fault-tolerance while it is being hosted in AWS?

- Deploy your application across multiple EC2 instances.
- Deploy your application across multiple Availability Zones.
(Correct)
- Host your application on one powerful EC2 instance type instead of multiple smaller instances.
- Deploy the underlying application resources across multiple subnets.

Question 129:

Skipped

Which of the following will affect how much you are charged for storing objects in S3? (Choose TWO)

- The total size in gigabytes of all objects stored.
(Correct)
- Using default encryption for any number of S3 buckets.
- The number of EBS volumes attached to your instances.
- The storage class used for the objects stored.
(Correct)
- Creating and deleting S3 buckets.

Question 130:

Skipped

Which of the following factors affect Amazon CloudFront cost? (Choose TWO)

-

Traffic Distribution.

(Correct)

-

Storage Class.

-

Number of Volumes.

-

Number of Requests.

(Correct)

-

Instance type.

[Continue](#)

[Retake test](#)

Which of the following is the customer's obligation under the shared responsibility model?

- 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.

Explanation

Reference: <https://www.whizlabs.com/blog/aws-security-shared-responsibility/>

Question 2:

Skipped

Which of the following tasks is the AWS customer's duty under the shared responsibility model? (Select two.)

- A. Ensuring that application data is encrypted at rest
(Correct)
- 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
(Correct)
- D. Ensuring that access to data centers is restricted

-

E. Ensuring that hardware is disposed of properly

Explanation

Configure network time protocol (NTP) Amazon provides the Amazon Time Sync Service, which is accessible from all EC2 instances, and is also used by other AWS services. We recommend that you configure your instance to use the Amazon Time Sync Service. This service uses a fleet of satellite-connected and atomic reference clocks in each AWS Region to deliver accurate current time readings of the Coordinated Universal Time (UTC) global standard. The Amazon Time Sync Service automatically smooths any leap seconds that are added to UTC. This service is available at the 169.254.169.123 IP address for any instance running in a VPC, and your instance does not require internet access to use it. Starting with the August 2018 release, Windows AMIs use the Amazon Time Sync Service by default. To verify the NTP configuration

Question 3:

Skipped

What are the possible uses for AWS edge locations? (Select two.)

-

A. Hosting applications

-

B. Delivering content closer to users

(Correct)

-

C. Running NoSQL database caching services

-

D. Reducing traffic on the server by caching responses

(Correct)

-

E. Sending notification messages to end users

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 4:

Skipped

What are the customer's duties under the AWS shared responsibility model? (Select two.)

-

A. Physical and environmental security

-

B. Physical network devices including firewalls

-

C. Storage device decommissioning

-

D. Security of data in transit

(Correct)

-

E. Data integrity authentication

(Correct)

Explanation

Anything physical should be AWS responsibility

Question 5:

Skipped

A corporation anticipates a brief increase in internet traffic for their application. The program cannot be interrupted during the traffic spike. In addition, the organization must reduce costs while increasing flexibility. To achieve these needs, which Amazon EC2 instance type should the organization use?

-

A. On-Demand Instances

(Correct)

-

B. Spot Instances

-

C. Reserved Instances

-

D. Dedicated Hosts

Explanation

A, because Spot instances can be interrupted

Question 6:

Skipped

Which of the following is a customer duty under the AWS shared responsibility model?

-

A. Installing security patches for the Xen and KVM hypervisors

-

B. Installing operating system patches for Amazon DynamoDB

-

C. Installing operating system security patches for Amazon EC2 database instances

(Correct)

-

D. Installing operating system security patches for Amazon RDS database instances

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 7:

Skipped

What are the AWS Cloud's advantages? (Select two.)

-

A. Fixed rate monthly cost

-

B. No need to guess capacity requirements

(Correct)

-

C. Increased speed to market

(Correct)

-

D. Increased upfront capital expenditure

-

E. Physical access to cloud data centers

Explanation

Reference: <https://data-flair.training/blogs/aws-advantages/>

Question 8:

Skipped

Which of the following describes elasticity in the AWS Cloud? (Select two.)

-

A. How quickly an Amazon EC2 instance can be restarted

-

B. The ability to rightsize resources as demand shifts

(Correct)

-

C. The maximum amount of RAM an Amazon EC2 instance can use

-

D. The pay-as-you-go billing model

-

E. How easily resources can be produced when they are needed

(Correct)

Explanation

Reference: <https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability>

Question 9:

Skipped

Which AWS services is natively supported by AWS Snowball Edge?

-
- **A. AWS Server Migration Service (AWS SMS)**
-
- **B. Amazon Aurora**
-
- **C. AWS Trusted Advisor**
-
- **D. Amazon EC2**

(Correct)

Explanation

Reference: <https://aws.amazon.com/blogs/storage/building-a-linux-edge-computing-solution-with-aws-snowball-edge-and-amazon-ec2/>

Question 10:

Skipped

An Elastic Load Balancer, numerous Amazon EC2 instances, and Amazon RDS are used to run a web application on AWS. Which security measures are AWS's responsibility? (Select two.)

- - **A. Running a virus scan on EC2 instances**
 -
 - **B. Protecting against IP spoofing and packet sniffing**
- (Correct)**
- - **C. Installing the latest security patches on the RDS instance**

(Correct)

-

D. Encrypting communication between the EC2 instances and the Elastic Load Balancer

-

E. Configuring a security group and a network access control list (NACL) for EC2 instances

Explanation

Encrypted comms between the elb \ WAF and ec2 will only occur when the application is using port 443 combined with a digicert. When using port 80, the traffic will not be encrypted to the backend target. This is setup \ dependent on the customers application \ port dependencies and is not determined by AWS.

Question 11:

Skipped

Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB are used by a firm to execute its mission-critical web application. Multiple times during the day, the workload jumps to up to ten times the regular level.Which AWS Cloud feature helps the business to adapt to these demand changes?

-

A. Agility

-

B. Global reach

-

C. Scalability

(Correct)

-

D. Security

Explanation

Reference: <https://aws.amazon.com/autoscaling/>

Question 12:

Skipped

An Amazon RDS database instance is deployed across several Availability Zones. Which pillar of the AWS Well-Architected Framework is included in this strategy?

-
- A. Performance efficiency**
-
- B. Reliability**
(Correct)
-
- C. Cost optimization**
-
- D. Security**

Explanation

Reference: <https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/>

Question 13:

Skipped

According to the AWS shared responsibility model, which of the following is the customer's obligation?

-
- A. Patching underlying infrastructure**
-
- B. Physical security**
-
- C. Patching Amazon EC2 instances**
- (Correct)**
-
- D. Patching network infrastructure**

Explanation

patching EC2 instance is customer's responsibility Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 14:

Skipped

A firm wishes to develop a new line of business application. Which design concepts should be applied in accordance with the AWS Well-Architected Framework?

(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.

(Correct)

-

D. Move on-premises network hardware to VPCs.

-

E. Design elasticity into the AWS Cloud design.

(Correct)

Explanation

C & E is the correct answer. D is so wrong. We don't move any hardware devices to cloud. Cloud provides a virtual data center for us, with a log of network services for customer's varied needs. But customers don't move their network devices to AWS. C is a bit confusing as I was going through some documentations, Monolithic deployments are related to containers and microservices but not with well architected framework. Loose coupling is definitely a principle of the framework, but the wording of question throws you off here because it mentions monolithic deployments and not monolithic applications - two different concept.

Question 15:

Skipped

A copy of the AWS SOC 2 report is required during a compliance review by one of the auditors. Which service should this request be sent through?

-
- A. AWS Personal Health Dashboard**
-
- B. AWS Trusted Advisor**
-
- C. AWS Artifact**
- (Correct)**
-
- D. Amazon S3**

Explanation

Ans: Artifacts Ref: <https://aws.amazon.com/compliance/soc-faqs/>

Question 16:

Skipped

Which of the following actions is the customer's responsibility under the AWS shared responsibility model? (Select two.)

- A. Patching operating system components for Amazon Relational Database Server (Amazon RDS)**
-
- B. Encrypting data on the client-side**
- (Correct)**
-
- C. Training the data center staff**
-
- D. Configuring Network Access Control Lists (ACL)**
- (Correct)**
-

E. Maintaining environmental controls within a data center

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 17:

Skipped

Which of the following is AWS's obligation under the AWS shared responsibility model?

-
- A. Data encryption in transit**
-
- B. Firmware updates on hardware**
(Correct)
-
- C. Operating system patching on Amazon EC2 instances**
-
- D. Data encryption at rest**

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 18:

Skipped

Which of the following are customer duties under the AWS shared responsibility model? (Select two.)

-
- A. Setting up server-side encryption on an Amazon S3 bucket**
(Correct)
-
- B. Amazon RDS instance patching**
-
- C. Network and firewall configurations**

(Correct)

-

D. Physical security of data center facilities

-

E. Compute capacity availability

Explanation

Correct answer is A & C only. S3 buckets: Server-side encryption of objects is not enabled by default and the customer needs to opt-in. Only S3 Glacier is encrypted by default. Encryption Opt-in:

- EBS volumes: encrypt volumes
- S3 buckets: Server-side encryption of objects
- Redshift database: encryption of data
- RDS database: encryption of data
- EFS drives: encryption of data
- Encryption Automatically enabled:
- CloudTrail Logs
- S3 Glacier
- Storage Gateway Customer is responsible for Firewall configuration.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 19:

Skipped

Which AWS service supports MySQL and PostgreSQL as relational databases?

-

A. Amazon Redshift

-

B. Amazon DynamoDB

-

C. Amazon Aurora

(Correct)

-

D. Amazon Neptune

Explanation

Reference: <https://aws.amazon.com/rds/aurora/?aurora-whats-new.sort-by=item.additionalFields.postDateTime&aurora-whats-new.sort-order=desc>

Question 20:

Skipped

Before transferring an environment to the AWS Cloud, a cloud practitioner must receive AWS compliance reports. How are these reports produced?

-

A. Contact the AWS Compliance team

(Correct)

-

B. Download the reports from AWS Artifact

-

C. Open a case with AWS Support

-

D. Generate the reports with Amazon Macie

Explanation

<https://pages.awscloud.com/compliance-contact-us.html?msclkid=f74110e5adfa11ecb94e4b6c553b1aba> If you would like access to AWS compliance reports, please use AWS Artifact, a self-service portal for on-demand access. For instructions on using AWS Artifact, watch our video on the AWS Artifact web page. To browse frequently asked questions about compliance, visit the Compliance FAQ web page. If you have additional questions not answered above, please complete the form below and an Amazon Web Services Business Representative will contact you. Please note: Business Representatives are not compliance experts, but they will contact you in order to identify resources to best support your objectives.

Question 21:

Skipped

According to the AWS shared responsibility model, which job is the customer's duty?

-

A. Maintain the security of the AWS Cloud.

-

B. Configure firewalls and networks.

(Correct)

-

C. Patch the operating system of Amazon RDS instances.

-

D. Implement physical and environmental controls.

Explanation

Customer's duty is to maintain the security "in the could", NOT "of the cloud"

Question 22:

Skipped

Which qualities make AWS Cloud computing advantageous? (Select two.)

-

A. A 100% service level agreement (SLA) for all AWS services

-

B. Compute capacity that is adjusted on demand

(Correct)

-

C. Availability of AWS Support for code development

-

D. Enhanced security

(Correct)

-

E. Increases in cost and complexity

Explanation

Reference: <https://intellipaat.com/blog/aws-benefits-and-drawbacks/>

Question 23:

Skipped

Which costs must be addressed when comparing AWS Cloud vs on-premises Total Cost of Ownership? (Select two.)

-

A. Software development

-

B. Project management

-

C. Storage hardware

(Correct)

-

D. Physical servers

(Correct)

-

E. Antivirus software license

Question 24:

Skipped

Which AWS shared responsibility controls are shared? (Select two.)

-

A. Awareness and training

(Correct)

-

B. Patching of Amazon RDS

-

C. Configuration management

(Correct)

-

D. Physical and environmental controls

-

E. Service and communications protection or security

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

Question 25:

Skipped

After a single Availability Zone service disruption, a corporation must guarantee that the endpoint for a database instance stays the same. The program must continue database operations without human intervention from an administrator. How are these stipulations to 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.
(Correct)
 - C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
 - D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

Explanation

“Amazon RDS Multi-AZ deployments provide enhanced availability and durability for RDS database (DB) instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates the data to a standby instance in a different Availability Zone (AZ). Each AZ runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. In case of an infrastructure failure, Amazon RDS performs an automatic failover to the standby (or to a read replica in the case of Amazon Aurora), so that you can resume

database operations as soon as the failover is complete. Since the endpoint for your DB Instance remains the same after a failover, your application can resume database operation without the need for manual administrative intervention.” (<https://aws.amazon.com/rds/features/multi-az/>)

Question 26:

Skipped

Which costs must be addressed when comparing AWS Cloud vs on-premises Total Cost of Ownership? (Select two.)

-

A. Physical storage hardware

(Correct)

-

B. Operating system administration

-

C. Network infrastructure of data center

(Correct)

-

D. Project management

-

E. Database schema development

Explanation

A and C are the answer. Operating system "administration" is not part of the IT Labor costs but it would be part of the TCO if it just said operating systems then it would fall under Server Costs - Software - OS. upvoted 3 times

Question 27:

Skipped

To achieve high availability, how many Availability Zones should computing resources be provided across?

-

A. A minimum of one

-

B. A minimum of two

(Correct)

-

C. A minimum of three

-

D. A minimum of four or more

Explanation

answer should be B

Question 28:

Skipped

To boost availability, a user intends to create two more Amazon EC2 instances. What should the user do?

-

A. Launch the instances across multiple Availability Zones in a single AWS Region.

(Correct)

-

B. Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.

-

C. Launch the instances in multiple AWS Regions, but in the same Availability Zone.

-

D. Launch the instances as EC2 Spot Instances in the same AWS Region, but in different Availability Zones.

Question 29:

Skipped

What is the AWS Cloud's value proposition?

-

A. AWS is responsible for security in the AWS Cloud

-
- B. No long-term contract is required**
(Correct)
-
- C. Provision new servers in days**
-
- D. AWS manages user applications in the AWS Cloud**

Explanation

A. AWS is responsible for security in the AWS Cloud - AWS Responsible for security
OF cloud B. No long-term contract is required - True C. Provision new servers in days
- You can retrieve more resources in minutes or seconds. D. AWS manages user
applications in the AWS Cloud - User is owner of the application. Reference:
<https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>
Question 30:

Skipped

Which of the following areas is the customer's duty under the shared responsibility
model? (Select two.)

- A. Firmware upgrades of network infrastructure
- B. Patching of operating systems
(Correct)
- C. Patching of the underlying hypervisor
- D. Physical security of data centers
- E. Configuration of the security group
(Correct)

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 31:

Skipped

What is AWS's sole obligation under the AWS shared responsibility model?

-
- **A. Application security**
-
- **B. Edge location management**
(Correct)
-
- **C. Patch management**
-
- **D. Client-side data**

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 32:

Skipped

What can users do using AWS Marketplace? (Select two.)

-
- **A. Sell unused Amazon EC2 Spot Instances.**
-
- **B. Sell solutions to other AWS users.**
(Correct)
-
- **C. Buy third-party software that runs on AWS.**

(Correct)

-

D. Purchase AWS security and compliance documents.

-

E. Order AWS Snowball.

Explanation

Reference: <https://aws.amazon.com/marketplace>

Question 33:

Skipped

According to which AWS cloud design guideline, systems should minimize their interdependence?

-

A. Scalability

-

B. Services, not servers

-

C. Removing single points of failure

-

D. Loose coupling

(Correct)

Explanation

D-Loose coupling is correct

Question 34:

Skipped

Which AWS service or feature facilitates the purchase and deployment of third-party software by providing an online, managed software catalog?

-

A. AWS Support

-

B. AWS Marketplace

(Correct)

-

C. Amazon EC2 private Amazon Machine Images (AMIs)

-

D. AWS reseller programs

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 35:

Skipped

What may be associated to an Amazon EC2 instance through AWS Identity and Access Management (IAM) to initiate service requests?

-

A. Group

-

B. Role

(Correct)

-

C. Policy

-

D. Access key

Explanation

Reference: <https://aws.amazon.com/iam/faqs/>

Question 36:

Skipped

Which change management actions, according to the AWS Well-Architected Framework, should be followed to ensure AWS Cloud reliability? (Select two.)

-

A. Use AWS Config to generate an inventory of AWS resources

(Correct)

-

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

(Correct)

-

D. Use AWS Certificate Manager to whitelist approved AWS resources and services

-

E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

Explanation

AWS Certificate Manager is a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services and your internal connected resources.

SSL/TLS certificates are used to secure network communications and establish the identity of websites over the Internet as well as resources on private networks. AWS Certificate Manager removes the time-consuming manual process of purchasing, uploading, and renewing SSL/TLS certificates. So cannot be D service limits is about resource quantity so B is wrong GuardDuty is about threat protection so E is wrong Can only be and A and C <https://d1.awsstatic.com/whitepapers/architecture/AWS-Reliability-Pillar.pdf> (Page 35)

Question 37:

Skipped

How do Amazon's massive economies of scale help customers?

-

A. Periodic price reductions as the result of Amazon's operational efficiencies

(Correct)

-

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

Explanation

Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay-as-you-go prices.

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html>

Question 38:

Skipped

Which AWS service or functionality is utilized by distributed applications to send text and email messages?

-

A. Amazon Simple Notification Service (Amazon SNS)

(Correct)

-

B. Amazon Simple Email Service (Amazon SES)

-

C. Amazon CloudWatch alerts

-

D. Amazon Simple Queue Service (Amazon SQS)

Explanation

Amazon Simple Notification Service (Amazon SNS) is a fully managed messaging service for both application-to-application (A2A) and application-to-person (A2P) communication. The A2A pub/sub functionality provides topics for high-throughput, push-based, many-to-many messaging between distributed systems, microservices, and event-driven serverless applications. Using Amazon SNS topics, your publisher systems can fanout messages to a large number of subscriber systems including Amazon SQS queues, AWS Lambda functions and HTTPS endpoints, for parallel

processing, and Amazon Kinesis Data Firehose. The A2P functionality enables you to send messages to users at scale via SMS, mobile push, and email.

Question 39:

Skipped

Which functionality may be utilized to prevent inadvertent overwrites or deletions of Amazon S3 buckets?

-
- **A. Lifecycle policy**
-
- **B. Object versioning**
- (Correct)
-
- **C. Server-side encryption**
-
- **D. Bucket ACL**

Explanation

Reference: <https://medium.com/tensult/how-to-protect-objects-from-accidental-deletion-and-overwrite-using-s3-object-versioning-5222796ab156>

Question 40:

Skipped

In the case of an environmental disruption, a company needs to make sure its infrastructure is structured for fault tolerance and business continuity. Which parts of the AWS architecture should the organization replicate?

-
- **A. Edge locations**
-
- **B. Availability Zones**
-
- **C. Regions**

(Correct)

-

D. Amazon Route 53

Explanation

C.Regions is better choice than B.Availability Zones
Keyword: Environmental, replicate (aws use read replicate when talk about regions)
Brainstorm: When wide fire breaks out in California, it affects the whole region us-west that why you must replicate across region. Even US Gov has the best protection 99.99%, they are not even taking the risk of 0.01%, that the whole region might go down because of environmental disaster, they made 2, GovCloud (US-West) Region, GovCloud (US-East) Region. Source: https://aws.amazon.com/about-aws/global-infrastructure/regions_az/

Question 41:

Skipped

Which AWS services or functionalities enable failover across several AWS Regions to ensure high availability and low latency? (Select two.)

-

A. Amazon Route 53

(Correct)

-

B. Network Load Balancer

-

C. Amazon S3 Transfer Acceleration

-

D. AWS Global Accelerator

(Correct)

-

E. Application Load Balancer

Explanation

Reference: <https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-load-balancing-and-failover.html>

Question 42:

Skipped

Which solution enables users in various AWS Regions to have the FASTEST application response times for frequently requested data?

-

A. AWS CloudTrail across multiple Availability Zones

-

B. Amazon CloudFront to edge locations

(Correct)

-

C. AWS CloudFormation in multiple regions

-

D. A virtual private gateway over AWS Direct Connect

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 43:

Skipped

Which scenarios should a user report to the AWS Abuse team? (Select two.)

-

A. A DDoS attack is being made on an AWS resource.

(Correct)

-

B. A SQL injection attack is being made from an IP address that is not an AWS address.

-

C. AWS resources are being used to host objectionable or illegal content.

(Correct)

-
- **D. A company's resources are being used in a way that is inconsistent with corporate policy.**
-
- **E. A company is receiving HTTPS requests on a web server that is serving HTTP.**

Explanation

SQL Injection attack from any IP should be prevented, it is tightening up the application. DDoS attack originates from outside, not in your control. And, anything illegal should be reported anyway. Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/>
Question 44:

Skipped

Which of the following tasks is the customer's duty under the shared responsibility model? (Select two.)

-
- **A. Maintaining the underlying Amazon EC2 hardware.**
-
- **B. Managing the VPC network access control lists.**
- **(Correct)**
-
- **C. Encrypting data in transit and at rest.**
- **(Correct)**
-
- **D. Replacing failed hard disk drives.**
-
- **E. Deploying hardware in different Availability Zones.**

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 45:

Skipped

What charges are included in the comparison of AWS vs on-premises Total Cost of Ownership (TCO)?

-
- **A. Data center security**
-
- **B. Business analysis**
-
- **C. Project management**
-
- **D. Operating system administration**

(Correct)

Explanation

Answer is D, OS admin and maintenance. To validate this, I ran a TCO and read through the assumptions. There is a diagram that breaks down the costs that are included in the calculation.

<https://awstcoccalculator.com/Images/MethCostCategories.png>. You can find the image in the documentation under the methodology drop down with your TCO report. Data center security costs (option A) are not mentioned in the document--or at least I didn't see them after studying it for about fifteen minutes. Let me know if you find a line for Data Center Security. I thought it may be referring to hardware, but it was not mentioned as a category separate from rack and networking costs. I think Data Center Security is referring to actual security guards and cameras that are required for certain compliance regulations. This would be calculated in as general overhead if it was included in the report. AWS also has this expense, and it will be difficult to calculate and minimal for an individual client since it is shared across the whole data center.

Question 46:

Skipped

Which AWS serverless platform services are included?

- A. Amazon EC2, Amazon S3, Amazon Athena
- B. Amazon Kinesis, Amazon SQS, Amazon EMR
- C. AWS Step Functions, Amazon DynamoDB, Amazon SNS
(Correct)
- D. Amazon Athena, Amazon Cognito, Amazon EC2

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 47:

Skipped

Amazon DynamoDB is used by a business in its AWS Cloud architecture. Which of the following is a duty of the organization, according to the AWS shared responsibility model? (Select two.)

- A. Operating system patching and upgrades
 - B. Application of appropriate permissions with IAM tools
- (Correct)**
- C. Configuration of data encryption options

(Correct)

-
- **D. Creation of DynamoDB endpoints**
-
- **E. Infrastructure provisioning and maintenance**

Explanation

Amazon does endpoints <https://docs.aws.amazon.com/general/latest/gr/ddb.html>

Question 48:

Skipped

After studying the AWS Cost and Usage report in the AWS Management Console, a Cloud Practitioner detects a billing problem. Which course of action should be done to rectify this?

-
- **A. Open a detailed case related to billing and submit it to AWS Support for help.**
- **(Correct)**
-
- **B. Upload data describing the issue to a new object in a private Amazon S3 bucket.**
-
- **C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.**
-
- **D. Proceed with creating a new dashboard in Amazon QuickSight.**

Explanation

The answer is A. Reference:

<https://docs.aws.amazon.com/awssupport/latest/user/case-management.html> You can create a support case in the Support Center of the AWS Management Console. In the AWS Management Console, you can create three types of customer cases in AWS Support: - Account and billing support cases are available to all AWS customers. You can get help with billing and account questions. - Service limit increase requests are available to all AWS customers. For more information about the default service quotas, formerly referred to as limits, see AWS service quotas in

the AWS General Reference. - Technical support cases connect you to technical support for help with service-related technical issues and, in some cases, third-party applications. If you have a Developer Support plan, you can communicate by using email and the Support Center. If you have a Business or Enterprise Support plan, you can also communicate by phone or live chat.

Question 49:

Skipped

Which of the following is the customer's obligation under the AWS shared responsibility model?

-
- A. Patching guest OS and applications**
(Correct)
-
- B. Patching and fixing flaws in the infrastructure**
-
- C. Physical and environmental controls**
-
- D. Configuration of AWS infrastructure devices**

Question 50:

Skipped

A business wishes to improve its capacity for infrastructure recovery in the event of a natural catastrophe. This capability corresponds to which pillar of the AWS Well-Architected Framework?

-
- A. Cost optimization**
-
- B. Performance efficiency**
-
- C. Reliability**
(Correct)

-

D. Security

Explanation

The ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues. Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

Question 51:

Skipped

Which component of the AWS architecture permits global computing and storage deployment?

-

A. Availability Zones

-

B. Regions

(Correct)

-

C. Tags

-

D. Resource groups

Explanation

AZ are limited to a region and are not global

Question 52:

Skipped

For security reasons, a business demands an isolated environment inside AWS. Which course of action is necessary to achieve this?

-

A. Create a separate Availability Zone to host the resources.

-

B. Create a separate VPC to host the resources.

(Correct)

-

C. Create a placement group to host the resources.

-

D. Create an AWS Direct Connect connection between the company and AWS.

Explanation

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>

Question 53:

Skipped

A business may be required to operate its workload exclusively in its on-premises data center due to performance and regulatory limitations. Which Amazon Web Services (AWS) services or resources should the business utilize? (Select two.)

-

A. Amazon Pinpoint

-

B. Amazon WorkLink

-

C. AWS Outposts

(Correct)

-

D. AWS Snowball Edge

(Correct)

-

E. AWS AppSync

Explanation

Amazon WorkLink is a fully managed service that lets you provide your employees with secure, easy access to your internal corporate websites and web apps using their mobile phones. It should be C & D

Question 54:

Skipped

How can customers minimize the amount of time they spend patching their operating systems by migrating to the AWS Cloud? (Select two.)

-

A. Users can take advantage of managed services on AWS.

(Correct)

-

B. Users can outsource operating system patching to the AWS Support team.

-

C. AWS Professional Services will upgrade instances to the latest operating system versions.

-

D. Users have the ability to use license-included Amazon EC2 instances.

-

E. Users can take advantage of AWS Systems Manager features.

(Correct)

Explanation

<https://aws.amazon.com/systems-manager/features/>

Question 55:

Skipped

Which of the following are AWS obligations, according to the AWS shared responsibility model? (Select two.)

-

A. Network infrastructure and virtualization of infrastructure

(Correct)

-

B. Security of application data

-

C. Guest operating systems

-

D. Physical security of hardware

(Correct)

-

E. Credentials and policies

Explanation

A,D are correct

Question 56:

Skipped

Amazon EC2, an Elastic Load Balancer, and Amazon RDS are all components of an architectural design.What is the BEST method for estimating the monthly cost of this architecture?

-

A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.

-

B. Collect the published prices of the AWS services and calculate the monthly estimate.

-

C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.

(Correct)

-

D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Explanation

AWS Simple Monthly Calculator "The AWS Simple Monthly Calculator is an easy-to-use online tool that enables you to estimate the monthly cost of AWS services for

your use case based on your expected usage. "

<https://docs.aws.amazon.com/sap/latest/general/aws-simple-monthly-calculator.html>

Question 57:

Skipped

Which tasks need the root user credentials for an AWS account? (Select two.)

- A. Creating an Amazon EC2 key pair
 - B. Removing an IAM user from the administrators group
 - C. Changing the AWS Support plan
- (Correct)**
- D. Creating an Amazon CloudFront key pair
 - E. Granting an IAM user full administrative access

(Correct)

Explanation

<https://docs.aws.amazon.com/accounts/latest/reference/root-user-tasks.html>

Question 58:

Skipped

Which AWS products anticipate future AWS expenses automatically?

- A. AWS Support Center
- B. AWS Total Cost of Ownership (TCO) Calculator
- C. AWS Simple Monthly Calculator

-

D. Cost Explorer

(Correct)

Explanation

Reference: <https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ce-forecast.html>

Question 59:

Skipped

When utilizing the AWS Command Line Interface (AWS CLI), which of the following Identity and Access Management (IAM) entities is connected with an access key ID and secret access key?

-

A. IAM group

-

B. IAM user

(Correct)

-

C. IAM role

-

D. IAM policy

Explanation

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. Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html

Question 60:

Skipped

An administrator must fast install and begin utilizing a popular IT product. What resources are available to the administrator?

-

A. AWS Well-Architected Framework documentation

-

B. Amazon CloudFront

-

C. AWS CodeCommit

-

D. AWS Quick Start reference deployments

(Correct)

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 61:

Skipped

Which action, in terms of AWS Cloud architecture, is compatible with the concept of least privilege?

-

A. Allow users the minimum access that is needed to do a task.

-

B. Prevent managers from accessing important source code.

-

C. Provide only the permissions that are needed for users to do their jobs in the current month.

(Correct)

-

D. Assign permissions that are based on job titles.

Explanation

Reference: <https://aws.amazon.com/blogs/security/how-to-define-least-privileged-permissions-for-actions-called-by-aws-services/>

Question 62:

Skipped

For 3 hours, 5 minutes, and 6 seconds, a client operates an Amazon Linux EC2 instance on-demand. How long will the consumer be charged?



A. 3 hours, 5 minutes



B. 3 hours, 5 minutes, and 6 seconds

(Correct)



C. 3 hours, 6 minutes



D. 4 hours

Explanation

Reference: <https://aws.amazon.com/about-aws/whats-new/2017/10/announcing-amazon-ec2-per-second-billing/>

Question 63:

Skipped

According to the AWS shared responsibility model, which of the following is exclusively the responsibility of AWS?



A. Patching of the guest operating system



B. Security awareness and training



C. Physical and environmental controls

(Correct)



D. Development of an IAM password policy

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>:~:text=AWS%20responsibility%20%E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services

Question 64:

Skipped

Which of the following is a duty of AWS under the AWS shared responsibility model?

-

A. Enabling server-side encryption for objects stored in S3

-

B. Applying AWS IAM security policies

-

C. Patching the operating system on an Amazon EC2 instance

-

D. Applying updates to the hypervisor

(Correct)

Explanation

Nicknameonly: pls do your research b4 posting "your" answer. It is D, not B. Customer is responsible for IAM. <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 65:

Skipped

On Amazon EC2, a business hosts a web application in a Docker container. Which of the following duties is AWS in charge of?

-

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

(Correct)

-

D. Managing the guest operating system, including updates and security patches

Explanation

Containers are used in PaaS where customer is responsible for App and data and rest by cloud provider. <https://docs.aws.amazon.com/whitepapers/latest/aws-security-best-practices/shared-responsibility-model-for-container-services.html>

Continue

Retake test

What attributes of an AWS account can AWS Trusted Advisor monitor and advise on? (Select two.)

-

A. Compliance with security best practices

-

B. Application performance

(Correct)

-

C. Network utilization

-

D. Cost optimization

(Correct)

-

E. Compliance status

Explanation

All Trusted Advisor categories: Cost optimization, Performance, Security, Fault tolerance, Service limits So "A" + "D" fit better Reference:

<https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/>

Question 2:

Skipped

Which cloud architectural concept is supported by a system that can scale in terms of users, traffic, or data quantity without sacrificing performance?



A. Think parallel



B. Implement elasticity

(Correct)



C. Decouple your components



D. Design for failure

Explanation

Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Question 3:

Skipped

What is an example of AWS Cloud agility?



A. Access to multiple instance types



B. Access to managed services



C. Using Consolidated Billing to produce one bill



D. Decreased acquisition time for new compute resources

(Correct)

Explanation

Reference: <https://aws.amazon.com/blogs/enterprise-strategy/risk-is-lack-of-agility/>

Question 4:

Skipped

Which of the following price options would result in the highest reduction after making an Amazon EC2 Dedicated Host reservation?

-

A. No upfront payment

-

B. Hourly on-demand payment

-

C. Partial upfront payment

-

D. All upfront payment

(Correct)

Explanation

From the link: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>
"You can choose between three payment options when you purchase a Standard or Convertible Reserved Instance. With the All Upfront option, you pay for the entire Reserved Instance term with one upfront payment. This option provides you with the largest discount compared to On-Demand Instance pricing" So answer is D

Reference: <https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/>

Question 5:

Skipped

Which service allows consumers to audit AWS API calls?

-

A. AWS CloudTrail

(Correct)

-

B. AWS Trusted Advisor

-

C. Amazon Inspector

-

D. AWS X-Ray

Explanation

<https://aws.amazon.com/cloudtrail/>

Question 6:

Skipped

How should an Amazon EC2 instance be granted access to an Amazon S3 bucket in accordance with security best practices?

-

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.

(Correct)

-

D. Modify the S3 bucket policy so that any service can upload to it at any time.

Explanation

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-instance-access-s3-bucket/>

Question 7:

Skipped

A customer with an AWS Basic Support subscription has discovered that their AWS resources are being used for unauthorized purposes. What is the preferred mechanism for the user to notify AWS of the activity?

-

A. Contact the AWS Concierge Support team.

-
- B. Contact an AWS technical account manager.**
-
- C. Contact the AWS Abuse team.**
- (Correct)**
-
- D. Contact the AWS Support team.**

Explanation

C: "If you suspect that AWS resources are used for abusive purposes, contact the AWS Trust & Safety team using the Report Amazon AWS abuse form, or by contacting abuse@amazonaws.com. Provide all the necessary information, including logs in plaintext, email headers, and so on, when you submit your request. Note: AWS Support can't assist with reports of abuse or questions about notifications from the AWS Trust & Safety team. If you have questions for the AWS Trust & Safety team, reply directly to their email."

Question 8:

Skipped

A business operates a website that is hosted on AWS and is protected by an Application Load Balancer. The business wishes to protect its website against SQL injection and cross-site scripting. Which Amazon Web Services (AWS) service should the business use?

-
- A. Amazon GuardDuty**
-
- B. AWS WAF**
- (Correct)**
-
- C. AWS Trusted Advisor**
-
- D. Amazon Inspector**

Explanation

<https://aws.amazon.com/premiumsupport/knowledge-center/waf-block-common-attacks/> Protect against SQL injection and cross-site scripting To protect your applications against SQL injection and cross-site scripting (XSS) attacks, use the built-in SQL injection and cross-site scripting engines. Remember that attacks can be performed on different parts of the HTTP request, such as the HTTP header, query string, or URI. Configure the AWS WAF rules to inspect different parts of the HTTP request against the built-in mitigation engines.

Question 9:

Skipped

A business is contemplating migrating its on-premises data center to Amazon Web Services (AWS). What aspects should a Total Cost of Ownership (TCO) study consider? (Select two.)

- A. Amazon EC2 instance availability
- B. Power consumption of the data center
(Correct)
- C. Labor costs to replace old servers
(Correct)
- D. Application developer time
- E. Database engine capacity

Explanation

https://media.amazonaws.com/AWS_TCO_Web_Applications.pdf tables on pp. 7 & 13. B and C should fit.

Question 10:

Skipped

Which of the following enables AWS customers to control billing expense allocations?

- A. Tagging resources

(Correct)

-

B. Limiting who can create resources

-

C. Adding a secondary payment method

-

D. Running all operations on a single AWS account

Explanation

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

Question 11:

Skipped

To install a PCI-compliant workload on AWS, which of the following tasks is required?

-

A. Use any AWS service and implement PCI controls at the application layer

-

B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer

-

C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service

-

D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

(Correct)

Explanation

Reference:

<https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>

Question 12:

Skipped

A business intends to use the AWS Cloud to host a huge ecommerce application. The business must have an architecture that safeguards against network-based security threats such as DDoS assaults. Which Amazon Web Offerings (AWS) services should the business employ to achieve this requirement? (Select two.)

-

A. Amazon Inspector

-

B. Amazon GuardDuty

-

C. Amazon CloudFront

(Correct)

-

D. AWS Shield

(Correct)

-

E. AWS Identity and Access Management (IAM)

Explanation

AWS WAF is a web application firewall that can be deployed on CloudFront to help protect your application against DDoS attacks by giving you control over which traffic to allow or block by defining security rules. Set up your DDoS protection on AWS All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge. Reference:

<https://aws.amazon.com/blogs/security/how-to-protect-dynamic-web-applications-against-ddos-attacks-by-using-amazon-cloudfront-and-amazon-route-53/>
<https://aws.amazon.com/shield/ddos-attack-protection/>

Question 13:

Skipped

A firm that does business online must supply new capabilities rapidly and iteratively, decreasing time to market. Which AWS Cloud function is capable of doing this?

-

A. Elasticity

-

B. High availability

-

C. Agility

(Correct)

-

D. Reliability

Explanation

<https://aws.amazon.com/devops/partner-solutions/>

Question 14:

Skipped

Which AWS service would be utilized to manage AWS access across numerous accounts in a centralized fashion?

-

A. AWS Service Catalog

-

B. AWS Config

-

C. AWS Trusted Advisor

-

D. AWS Organizations

(Correct)

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 15:

Skipped

Which AWS Cloud feature relieves customers of the requirement to estimate future infrastructure consumption?

-
- **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**
- (Correct)**
-
- **D. Lower variable costs due to massive economies of scale**

Question 16:

Skipped

What expenses should be addressed when comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture? (Select 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.**
- (Correct)**
- **C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.**
- (Correct)**
- **D. The costs of third-party penetration testing.**
-

E. The advertising costs associated with an ongoing enterprise-wide campaign.

Explanation

Reference: <https://aws.amazon.com/tco-calculator/>

Question 17:

Skipped

The following describes an application that spans various Availability Zones:

-
- A. being highly available**
(Correct)
-
- B. having global reach**
-
- C. using an economy of scale**
-
- D. having elasticity**

Explanation

Reference:

https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NsIAxm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGIsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-

[IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false](https://books.google.com.pk/books?id=lueWBQAAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false)

Question 18:

Skipped

A business wishes to be alerted when its AWS Cloud expenses or usage surpass certain limits. Which Amazon Web Services (AWS) offering will meet these requirements?

-
- A. AWS Budgets**
(Correct)

-

B. Cost Explorer

-

C. AWS CloudTrail

-

D. Amazon Macie

Explanation

<https://aws.amazon.com/aws-cost-management/aws-budgets/>

Question 19:

Skipped

Which service or functionality does AWS Enterprise Support provide that other AWS Support subscriptions do not?

-

A. AWS Trusted Advisor

-

B. AWS Support case

-

C. Concierge team

(Correct)

-

D. Amazon Connect

Explanation

Reference: <https://aws.amazon.com/premiumsupport/plans/>

Question 20:

Skipped

Which of the following is a shared control between a client and AWS under the shared responsibility model?

-

A. Physical controls

-

B. Patch management

(Correct)

-

C. Zone security

-

D. Data center auditing

Explanation

The own explanation below shows: Patch Management: AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications

Question 21:

Skipped

How should an application be created to function on the AWS Cloud in accordance with best practices?

-

A. Use tightly coupled components.

-

B. Use loosely coupled components.

(Correct)

-

C. Use infrequently coupled components.

-

D. Use frequently coupled components.

Explanation

As application complexity increases, a desirable attribute of an IT system is that it can be broken into smaller, loosely coupled components. This means that IT systems should be designed in a way that reduces interdependencies—a change or a failure in one component should not cascade to other components.- Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

Question 22:

Skipped

Which of the following is a suggestion made by an AWS Trusted Advisor? (Select two.)

-

A. Cost optimization

(Correct)

-

B. Auditing

-

C. Serverless architecture

-

D. Performance

(Correct)

-

E. Scalability

Explanation

Trusted advisor provides recommendations on:
*Cost Optimization *Performance
*Security *Fault Tolerance *Service limits --

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

Question 23:

Skipped

Which compute hosting model should be accounted for in the Total Cost of Ownership (TCO) when undertaking a cost analysis that allows physical isolation of a customer workload?

-

A. Dedicated Hosts

(Correct)

-

B. Reserved Instances

-

C. On-Demand Instances

-

D. No Upfront Reserved Instances

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 24:

Skipped

Who is accountable for security and compliance under the AWS shared responsibility model?

-

A. The customer is responsible.

-

B. AWS is responsible.

-

C. AWS and the customer share responsibility.

(Correct)

-

D. AWS shares responsibility with the relevant governing body.

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 25:

Skipped

Who is the main point of contact for billing or account questions if a user has an AWS account with an Enterprise-level AWS Support plan?

-
- **A. Solutions architect**
-
- **B. AWS Concierge Support team**
(Correct)
-
- **C. An AWS Marketplace seller**
-
- **D. AWS Partner Network (APN) partner**

Explanation

https://aws.amazon.com/premiumsupport/plans/?nc1=h_ls

Question 26:

Skipped

Which cost components should be addressed when developing a cloud Total Cost of Ownership (TCO) model for AWS workloads? (Select three.)

-
- **A. Compute costs**
(Correct)
-
- **B. Facilities costs**
-
- **C. Storage costs**
(Correct)
-
- **D. Data transfer costs**

(Correct)

-

E. Network infrastructure costs

-

F. Hardware lifecycle costs

Explanation

Page 5, AWS TCO methodology (Factoring on-premises or co-location cost that would include) --->>> Networking on AWS: Direct connect + data transfer

https://pages.awscloud.com/rs/112-TZM-766/images/Cloud%20Economics%20Ebook_October%202018.pdf

Question 27:

Skipped

A business wishes to launch a worldwide commercial application using Amazon Elastic Compute Cloud (Amazon EC2). The deployment solution should be constructed with the greatest degree of redundancy and fault tolerance possible. According to this scenario, the following Amazon EC2 instances should be deployed:

-

A. in a single Availability Zone in one AWS Region

-

B. with multiple Elastic Network Interfaces belonging to different subnets

-

C. across multiple Availability Zones in one AWS Region

-

D. across multiple Availability Zones in two AWS Regions

(Correct)

Explanation

The deployment solution should be built with the highest redundancy and fault tolerance - answer is D

Question 28:

Skipped

What is the unique advantage that Enterprise Support customers receive?

-

A. Access to a Technical Project Manager

-

B. Access to a Technical Account Manager

(Correct)

-

C. Access to a Cloud Support Engineer

-

D. Access to a Solutions Architect

Explanation

Reference: <https://aws.amazon.com/premiumsupport/plans/enterprise/>

Question 29:

Skipped

Customer duties under the AWS shared responsibility model include which 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.

(Correct)

-

D. Obtaining industry certifications and independent third-party attestations.

Explanation

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 30:

Skipped

Which of the following is included in the AWS Trusted Advisor checks? (Select two.)

-

A. Information on Amazon S3 bucket permissions

(Correct)

-

B. AWS service outages

-

C. Multi-factor authentication enabled on the AWS account root user

(Correct)

-

D. Available software patches

-

E. Number of users in the account

Explanation

Amazon S3 bucket permissions (free) Checks buckets in Amazon Simple Storage Service (Amazon S3) that have open access permissions. Bucket permissions that grant List access to everyone can result in higher than expected charges if objects in the bucket are listed by unintended users at a high frequency. Bucket permissions that grant Upload/Delete access to everyone create potential security vulnerabilities by allowing anyone to add, modify, or remove items in a bucket. This check examines explicit bucket permissions and associated bucket policies that might override the bucket permissions. Multi-factor authentication on root account (free) Checks the root account and warns if multi-factor authentication (MFA) is not enabled. For increased security, we recommend that you protect your account by using MFA, which requires a user to enter a unique authentication code from their MFA hardware or virtual device when interacting with the AWS console and associated websites. Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/>

Question 31:

Skipped

Which pattern is suggested for creating an AWS highly available architecture?

- - 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.**
- (Correct)**
- - D. Use a monolithic application that handles all operations.**

Explanation

High Availability means in case of failure in one of the AZ, the application should continue to run. Hence ans is C

Question 32:

Skipped

Which duty is the customer's responsibility while administering AWS Lambda functions under the AWS shared responsibility model?

-
- A. Creating versions of Lambda functions**
- (Correct)**
-
- B. Maintaining server and operating systems**
-
- C. Scaling Lambda resources according to demand**
-
- D. Updating the Lambda runtime environment**

Explanation

B and C cannot be Customer responsibility so A is the only option so I would say Answer is A D is a Shared responsibility: "Typically, no action is required to pick up

the latest patches for supported Lambda runtimes, but sometimes action might be required to test patches before they are deployed (for example, known incompatible runtime patches). If any action is required by customers, Lambda will contact them through the Personal Health Dashboard, through the AWS account's email, or through other means, with the specific actions required to be taken. Customers can use other programming languages in Lambda by implementing a custom runtime. For custom runtimes, maintenance of the runtime becomes the customer's responsibility, including making sure that the custom runtime includes the latest security patches"

Question 33:

Skipped

Which security-related duty is AWS accountable for under the AWS shared responsibility model?

- - A. Lifecycle management of IAM credentials**
 -
 - B. Physical security of global infrastructure**
- (Correct)**
- - C. Encryption of Amazon EBS volumes**
 -
 - D. Firewall configuration**

Explanation

The physical infrastructure is the responsibility of aws so B is the answer. / <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question 34:

Skipped

The application of a business has a variable start and finish time.Which pricing option for Amazon EC2 will be the MOST cost-effective?

- - A. On-Demand Instances**
- (Correct)**
-

B. Spot Instances

-

C. Reserved Instances

-

D. Dedicated Hosts

Explanation

There is not any information that application is interruptable. Choose A

Question 35:

Skipped

Which opportunities does AWS provide for clients interested in learning about cloud security in an instructor-led setting? (Select two.)

-

A. AWS Trusted Advisor

-

B. AWS Online Tech Talks

(Correct)

-

C. AWS Blog

-

D. AWS Forums

-

E. AWS Classroom Training

(Correct)

Question 36:

Skipped

Which service is an AWS-managed Hadoop framework that enables processing massive volumes of data across dynamically expandable Amazon EC2 instances simple, quick, and cost-effective?

-

A. Amazon EMR

(Correct)

-

B. Amazon EC2

-

C. AWS Elastic Beanstalk

-

D. Amazon Redshift**Explanation**

Reference: <https://aws.amazon.com/big-data/what-is-hbase/#:~:text=HBase%20and%20Hadoop%20on%20AWS,across%20dynamically%20scalable%20EC2%20instances>

Question 37:

Skipped

What is the greatest place for a user to get information and reports on AWS compliance?

-

A. AWS Artifact

(Correct)

-

B. AWS Marketplace

-

C. Amazon Inspector

-

D. AWS Support**Explanation**

Reference:

<https://aws.amazon.com/compliance/faq/#:~:text=AWS%20Artifact%20%E2%80%93%20AWS%20Artifact%20is,reports%20and%20select%20online%20agreements>

Question 38:

Skipped

Which cloud architecture design concept is supported by distributing workloads across various Availability Zones?

-

A. Implement automation.

-

B. Design for agility.

-

C. Design for failure.

(Correct)

-

D. Implement elasticity.

Explanation

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/use-fault-isolation-to-protect-your-workload.html>

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/design-your-workload-to-withstand-component-failures.html> / . Design for failure. AWS Well-Architected and the Five Pillars Operational Excellence Pillar Security Pillar Reliability Pillar Performance Efficiency Pillar Cost Optimization Pillar

Question 39:

Skipped

What is raised when a business deploys web servers across several AWS Regions?

-

A. Coupling

-

B. Availability

(Correct)

-

C. Security

-

D. Durability

Explanation

Reference: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Question 40:

Skipped

How can deploying an application across several Availability Zones benefit you?

-

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.

(Correct)

-

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.

Explanation

Answer B as Availability Zones are for higher availability. Availability Zones are multiple, isolated locations within each Region. If a Natural disaster affects a Region then it may impact all Availability zones.. Hence A is not an option .

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

Question 41:

Skipped

What is AWS accountable for under the AWS shared responsibility model?

-

A. Configuring Amazon VPC

-

B. Managing application code

-
- **C. Maintaining application traffic**
-
- **D. Managing the network infrastructure**

(Correct)

Explanation

Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question 42:

Skipped

Which AWS services and/or features increase availability and mitigate the effect of failures while constructing a typical three-tier web application? (Select two.)

-
- **A. AWS Auto Scaling for Amazon EC2 instances**
-
- **B. Amazon VPC subnet ACLs to check the health of a service**
-
- **C. Distributed resources across multiple Availability Zones**
-
- **D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region**
-
- **E. Distributed resources across multiple AWS points of presence**

Explanation

You can use Auto Scaling to help make sure that you are running the desired number of healthy EC2 instances across multiple Availability Zones. Auto Scaling can also automatically increase the number of EC2 instances during demand spikes to maintain performance and decrease capacity during less busy periods to optimize

costs (https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf). Pay attention to 3 tier application, it includes & requires mostly multiple server to perform well. ACLs are for security mainly. A network access control list (ACL) is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC (<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>). Point of Presence consists of Edge Locations and Regional Edge Cache and are used by CloudFront for CDN purpose.

Question 43:

Skipped

Which of the following tasks may be used to improve Amazon EC2 costs? (Select two.)

- **A. Implementing Auto Scaling groups to add and remove instances based on demand.**
(Correct)
- **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.**
(Correct)
- **E. Adding EC2 instances to a second AWS Region that is geographically close to the end users.**

Explanation

Budget does not limit spending as it only forecasts and inspects your spending.

Question 44:

Skipped

Which AWS service or functionality enables the user to control application traffic between regions?

-

A. Amazon AppStream 2.0

-

B. Amazon VPC

-

C. Elastic Load Balancer

-

D. Amazon Route 53

(Correct)

Explanation

C is incorrect as ELBs are region specific. D is the answer : Route53 is a global service and allows cross regional nodes to be applied.

<https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-load-balancing-and-failover.html>

Question 45:

Skipped

According to the AWS shared responsibility model, which job is shared between AWS and the customer?

-

A. Physical and environmental controls

-

B. Server hardware management and encryption

-

C. Application security

-

D. Patch management and configuration management

(Correct)

Explanation

Shared Controls :€" Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must

provide their own control implementation within their use of AWS services. Examples include:

- Patch Management - AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.
- Configuration Management - AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference: <https://aws.amazon.com/compliance/shared-responsibility-model/>

Question 46:

Skipped

Which AWS service should a business use to check the compliance of AWS resource settings on a continual basis?

-

A. AWS Organizations

-

B. AWS Config

(Correct)

-

C. AWS Artifact

-

D. AWS Service Catalog

Explanation

Reference:

<https://aws.amazon.com/config/#:~:text=AWS%20Config%20is%20a%20service,recorded%20configurations%20against%20desired%20configurations>

Question 47:

Skipped

What are the advantages of using loose coupling as a design paradigm for cloud architectures?

-

A. It facilitates low-latency request handling.

-

B. It allows applications to have dependent workflows.

-

C. It prevents cascading failures between different components.

(Correct)

-

D. It allows companies to focus on their physical data center operations.

Explanation

Loose coupling prevents cascading failures between different components. Answer is C.

Question 48:

Skipped

To utilize the AWS CLI, users must produce the following:

-

A. a password policy.

-

B. an access/secret key.

(Correct)

-

C. a managed policy.

-

D. an API key.

Question 49:

Skipped

A new application is being developed by a business that will save and retrieve millions of photographs and movies. Which AWS service or feature offers the CHEAPEST underlying storage?

-

A. Amazon EC2 instance store

-

B. Amazon Elastic Block Store (Amazon EBS)

-

C. Amazon S3

(Correct)

-

D. Amazon Simple Queue Service (Amazon SQS)

Explanation

EC2 Instance storage disappear once you terminate your instance and your work can't be retrieve. The correct answer is S3 (C)

Question 50:

Skipped

Which of the following IT responsibilities may AWS relieve a company's IT team of?
(Select two.)

-

A. Patching database software

(Correct)

-

B. Storage capacity planning

(Correct)

-

C. Creating database schemas

-

D. Setting up access controls for data

-

E. Writing application code

Explanation

One of AWS advantages - users do not need to ques capacity or plan it A schema is part of your DATA, and the client owns the DATA

Question 51:

Skipped

Which feature enables Amazon EC2 instances to be more elastic in response to changing workload demand?

-
- **A. Virtualization Management**
(Correct)
-
- **B. Hardware management**
-
- **C. Encryption management**
-
- **D. Facilities management**
-
- **E. Firewall management**

Explanation

What does elasticity of EC2 instances have to do with security? I think the answer options got mixed up with a different question, mainly because the multiple choices shows up to E which is usually for a select two type question. However if you have to choose among one of them, then it has to be virtualization management, because virtualization has to do with scaling EC2 instances depending on their type of hardware. <https://blog.cloudthat.com/virtualization-in-amazon-web-services/>

Question 52:

Skipped

Which of the following are capabilities of the AWS Cost Management tools? (Select two.)

-
- **A. Terminate all AWS resources automatically if budget thresholds are exceeded.**
-
- **B. Break down AWS costs by day, service, and linked AWS account.**
(Correct)
-

C. Create budgets and receive notifications if current or forecasted usage exceeds the budgets.

(Correct)

-

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.

Explanation

<https://aws.amazon.com/aws-cost-management/details/>

Question 53:

Skipped

A business has a concentrated group of users with significant file storage needs that outstrip the available capacity on-premises. The organization wishes to expand its file storage capacities for this group while maintaining the performance advantages associated with local content sharing. Which AWS option is the MOST OPERATIONALLY EFFECTIVE in 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.

(Correct)

-

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.

Explanation

AWS Storage Gateway is a set of hybrid cloud storage services that provide on-premises access to virtually unlimited cloud storage.

<https://aws.amazon.com/storagegateway/>

Question 54:

Skipped

Which AWS solution enables customers to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co-location settings, or on-premises facilities through a hybrid architecture?



A. AWS Snowmobile



B. AWS Local Zones



C. AWS Outposts

(Correct)



D. AWS Fargate

Explanation

<https://aws.amazon.com/outposts/>

Question 55:

Skipped

A business currently operates an on-premises Microsoft SQL Server instance and is transferring its application to AWS. Although the firm lacks the resources necessary to modify the program, management wants to cut operating costs as part of the move. Which database service is most capable of meeting these requirements?



A. Amazon DynamoDB



B. Amazon Redshift



C. Microsoft SQL Server on Amazon EC2

-

D. Amazon RDS for SQL Server

(Correct)

Explanation

Answer: D RDS is automated and cost-effective solution. EC2 with MSSQL is more control, flexibility and manage your own database.

Question 56:

Skipped

What are the advantages of AWS Cloud elasticity?

-

A. Ensure web traffic is automatically spread across multiple AWS Regions.

-

B. Minimize storage costs by automatically archiving log data.

-

C. Enable AWS to automatically select the most cost-effective services.

-

D. Automatically adjust the required compute capacity to maintain consistent performance.

(Correct)

Explanation

Elasticity: once a system is scalable, elasticity means that there will be some “auto-scaling” so that the system can scale based on the load. This is “cloud-friendly”: pay-per-use, match demand, optimize costs Reference:

<https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>

Question 57:

Skipped

Which Amazon Web Offerings (AWS) services provide computational capabilities?
(Select two.)

-

A. Amazon EC2

(Correct)

-
- **B. Amazon S3**
-
- **C. Amazon Elastic Block Store (Amazon EBS)**
-
- **D. Amazon Cognito**
-
- **E. AWS Lambda**

(Correct)

Explanation

Here is a full list of Compute Services..

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html> Amazon EC2 Amazon EC2 Auto Scaling Amazon Elastic Container Registry Amazon Elastic Container Service Amazon Elastic Kubernetes Service Amazon Lightsail AWS Batch AWS Elastic Beanstalk AWS Fargate AWS Lambda AWS Serverless Application Repository AWS Outposts VMware Cloud on AWS Question 58:

Skipped

Who is responsible for configuration management under the AWS shared responsibility model?

- **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.**
- (Correct)
- **D. It is not part of the AWS shared responsibility model.**

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 59:

Skipped

What is one technique to provide unified billing if each department within a firm has its own AWS account?

- - 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.**
- (Correct)**
- - D. Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.**

Explanation

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Question 60:

Skipped

According to the AWS shared responsibility model, who is responsible for managing IAM user access and secret keys?

-
-
-
- B. The customer is responsible for rotating keys.**

(Correct)

-

C. AWS will rotate the keys whenever required.

-

D. The AWS Support team will rotate keys when requested by the customer.

Explanation

B because anything IN the cloud is customers responsibility, anything OF is aws's /
Reference: <https://cloudacademy.com/blog/aws-shared-responsibility-model-security/>

Question 61:

Skipped

A business is developing an application that will be hosted in a single AWS Region and will serve end customers located around the globe. The firm wishes to give low-latency access to application data to end users. Which of the following services will assist you in achieving your goal?

-

A. Amazon CloudFront

(Correct)

-

B. AWS Direct Connect

-

C. Amazon Route 53 global DNS

-

D. Amazon Simple Storage Service (Amazon S3) transfer acceleration

Explanation

The answer should be A. 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 62:

Skipped

Which of the following AWS services should a client utilize to audit the change management of AWS resources?

-

A. AWS Config

(Correct)

-

B. AWS Trusted Advisor

-

C. Amazon CloudWatch

-

D. Amazon Inspector

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 63:

Skipped

Which AWS feature enables a business to use consumption levels across different member accounts?

-

A. Service control policies (SCPs)

-

B. Consolidated billing

(Correct)

-

C. All Upfront Reserved Instances

-

D. AWS Cost Explorer

Explanation

You can get volume discount from multiple accounts you have via consolidated billing .. scp is just used to limit services that can be used in a certain account

Question 64:

Skipped

Which of the following is not a duty of the client under the AWS shared responsibility model? (Select two.)

-

A. Decommissioning of physical storage devices

(Correct)

-

B. Security group and ACL configuration

-

C. Patch management of an Amazon RDS instance operating system

-

D. Controlling physical access to data centers

(Correct)

-

E. Patch management of an Amazon EC2 instance operating system

Explanation

A and D since they ask what is NOT the responsibility of the customer

Question 65:

Skipped

Which tool is most suited for integrating the billing of previously distinct AWS accounts?

-

A. Detailed billing report

-

B. Consolidated billing

(Correct)

- ○

C. AWS Cost and Usage report

- ○

D. Cost allocation report

Explanation

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Select TWO)

- AWS Forums.
- AWS Online Tech Talks.
(Correct)
- AWS Classroom Training.
(Correct)
- AWS Blog.
- AWS Trusted Advisor.

Question 2:

Skipped

If each department within a company has its own AWS account what is one way to enable consolidated billing?

- Contact AWS Support for a monthly bill.
- Use AWS Budgets on each account to pay only to budget.
- Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket load data into Amazon Redshift and then run a billing report.

Create an AWS Organization from the payer account and invite the other accounts to join.

(Correct)

Question 3:

Skipped

Which AWS service provides a simple and scalable shared file storage solution for use with Linux-based AWS and on-premises servers?



Amazon EFS.

(Correct)



Amazon Glacier.



Amazon EBS.



Amazon S3.

Question 4:

Skipped

For which auditing process does AWS have sole responsibility?



AWS IAM policies.



AWS CloudTrail Logs.



Amazon S3 bucket policies.



Physical security.

(Correct)

Question 5:

Skipped

When architecting cloud applications which of the following are a key design principle?

-

Implement elasticity.

(Correct)

-

Use the Scrum development process.

-

Use the largest instance possible.

-

Provision capacity for peak load.

Question 6:

Skipped

Which mechanism allows developers to access AWS services from application code?

-

AWS Config.

-

AWS CodePipeline.

-

AWS Software Development Kit.

(Correct)

-

AWS Management Console.

Question 7:

Skipped

Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?

-
- AWS Trusted Advisor.**
- (Correct)**
-
- Detailed billing.**
-
- Consolidated billing.**
-
- AWS Cost Explorer.**

Question 8:

Skipped

Which of the following is a benefit of using the AWS Cloud?

-
- Choice of specific cloud hardware vendors.**
-
- Ability to focus on revenue-generating activities.**
- (Correct)**
-
- Control over cloud network hardware.**
-
- Permissive security removes the administrative burden.**

Question 9:

Skipped

Under the shared responsibility model which of the following is the customer responsible for?

-
- Ensuring that network cables are category six or higher.**
-
- Ensuring that data is encrypted at rest.**
(Correct)
-
- Ensuring that firmware is updated on hardware devices.**
-
- Ensuring that disk drives are wiped after use.**

Question 10:

Skipped

Which service allows a company with multiple AWS accounts to combine its usage to obtain volume discounts?

-
- AWS Organizations.**
(Correct)
-
- AWS Server Migration Service.**
-
- AWS Trusted Advisor.**
-
- AWS Budgets.**

Question 11:

Skipped

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- All Upfront Reserved Instances.
- AWS Cost Explorer.
- Service control policies (SCPs).
- Consolidated billing.

(Correct)

Question 12:

Skipped

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud?
(Select TWO)

- It automatically corrects potential security issues caused by permissions settings on account resources.
- It identifies software vulnerabilities in applications running on AWS.
- It provides a list of cost optimization recommendations based on current AWS usage.
- It provides proactive alerting whenever an Amazon EC2 instance has been compromised.
- It detects potential security vulnerabilities caused by permissions settings on account resources.

(Correct)

(Correct)

Question 13:

Skipped

Which of the following Reserved Instance (RI) pricing models provides the highest average savings compared to On-Demand pricing?

- One-year No Upfront Standard RI pricing.
- One-year All Upfront Convertible RI pricing.
- Three-year No Upfront Convertible RI pricing.
- Three-year All Upfront Standard RI pricing.

(Correct)

Question 14:

Skipped

Which of the following services is in the category of AWS serverless platform?

- Elastic Load Balancing.
- AWS Mobile Hub.
- AWS Lambda.

(Correct)

- Amazon EMR.

Question 15:

Skipped

Which service is best for storing common database query results which helps to alleviate database access load?

-
- Amazon EC2 Instance Store.
-
- Amazon Machine Learning.
-
- Amazon ElastiCache.
- (Correct)**
-
- Amazon SQS.

Question 16:

Skipped

Which AWS services can be used to gather information about AWS account activity? (Select TWO)

- AWS CloudTrail.
- Amazon CloudWatch.
- (Correct)**
- AWS CloudHSM.
- Amazon CloudFront.

-

AWS Cloud9.

Question 17:

Skipped

Which AWS Cost Management tool allows you to view the most granular data about your AWS bill?

- - AWS Budgets.**
 -
 - AWS Cost Explorer.**
 -
 - AWS Cost and Usage report.**
- (Correct)**
- - AWS Billing dashboard.**

Question 18:

Skipped

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- - Amazon Redshift.**
 -
 - AWS CloudTrail.**
 -
 - AWS Lambda.**
- (Correct)**
- - Amazon EBS.**

Question 19:

Skipped

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Select TWO)

- AWS Direct Connect.
- (Correct)
- AWS Organizations.
- Network ACLs.
- AWS WAF.
- (Correct)
- AWS Trusted Advisor.

Question 20:

Skipped

Which of the following is a shared control between the customer and AWS?

- Environmental controls of physical AWS data centers.
- Awareness.
- (Correct)
- Configuration of an Amazon EC2 instance.
-

Providing a key for Amazon S3 client-side encryption.

Question 21:

Skipped

Which of the following is a fast and reliable NoSQL database service?

- **Amazon RDS.**
- **Amazon DynamoDB.**
(Correct)
- **Amazon S3.**
- **Amazon Redshift.**

Question 22:

Skipped

What time-savings advantage is offered with the use of Amazon Rekognition?

- **Amazon Rekognition provides automatic detection of objects appearing in pictures.**
(Correct)
- **Amazon Recognition provides the ability to resize millions of images automatically.**
- **Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.**
- **Amazon Rekognition provides automatic watermarking of images.**

Question 23:

Skipped

According to best practices how should an application be designed to run in the AWS Cloud?

-
- Use infrequently coupled components.**
-
- Use loosely coupled components.**
- (Correct)**
-
- Use tightly coupled components.**
-
- Use frequently coupled components.**

Question 24:

Skipped

What costs are included when comparing AWS Total Cost of Ownership (TCO) with on-premises TCO?

-
- Software development.**
-
- Antivirus software licensing.**
-
- Project management.**
- (Correct)**
-
- Data center security.**

Question 25:

Skipped

The financial benefits of using AWS are: (Select TWO)

- **Reduced operational expenditure (opex).**
 - **Reduced Total Cost of Ownership (TCO).**
- (Correct)**
- **Increased capital expenditure (capex).**
 - **Business credit lines for startups.**
 - **Deferred payment plans for startups.**

(Correct)

Question 26:

Skipped

Which AWS support plan includes a dedicated Technical Account Manager?

- **Enterprise.**
- **Basic.**
- **Developer.**
- **Business.**

Question 27:

Skipped

Which AWS service or feature can be used to monitor CPU usage?

-
- Amazon CloudWatch.**
- (Correct)
-
- AWS CloudTrail.**
-
- AWSConfig.**
-
- VPC Flow Logs.**

Question 28:

Skipped

Which of the following is an AWS-managed compute service?

-
- Amazon SWF.**
-
- Amazon EC2.**
- (Correct)
-
- AWS Lambda.**
-
- Amazon Aurora.**

Question 29:

Skipped

Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

-
- **AWS Shield.**
-
- **Amazon GuardDuty.**
- (Correct)
-
- **Amazon Inspector.**
-
- **Amazon Macie.**

Question 30:

Skipped

Which of the following security-related actions are available at no cost?

-
- **Calling AWS Support.**
-
- **Attending AWS classes at a local university.**
-
- **Contacting AWS Professional Services to request a workshop.**
-
- **Accessing forums blogs and whitepapers.**

(Correct)

Question 31:

Skipped

Why is it beneficial to use Elastic Load Balancers with applications?

-
- **They allow for the conversion from Application Load.**

-

Balancers to Classic Load Balancers.

(Correct)

-

They automatically adjust capacity. They are provided at no charge to users.

-

They are capable of handling constant changes in network traffic patterns.

Question 32:

Skipped

Which AWS service can be used to manually launch instances based on resource requirements?

-

Amazon EBS.

-

Amazon S3.

-

Amazon ECS.

-

Amazon EC2.

(Correct)

Question 33:

Skipped

Which Amazon EC2 pricing model offers the MOST significant discount when compared to OnDemand Instances?

-

All Upfront Reserved instances for a 1 year term.

-

No Upfront Reserved Instances for a 3 year term.

-

A Partial Upfront Reserved Instances for a 1-year term.

-

All Upfront Reserved Instances for a 3 year term.

(Correct)

Question 34:

Skipped

Which AWS service is used to pay AWS bills and monitor usage and budget costs?

-

AWS Billing and Cost Management.

-

Amazon GuickStght.

-

Amazon CloudWatch.

-

Consolidated billing.

(Correct)

Question 35:

Skipped

Which of the following are main components of the AWS global infrastructure?

(Select TWO)

-

Security groups.

-

Amazon Machine Images (AMIS).

(Correct)

-
- Resource groups.**

-
- Availability Zones.**
- (Correct)

-
- Regions.**

Question 36:

Skipped

Which service provides a virtually unlimited amount of online highly durable object storage?

-
- Amazon S3.**
- (Correct)

-
- Amazon Elastic Container Service (Amazon ECS).**
-
- Amazon Elastic File System (Amazon EFS).**
-
- Amazon Redshift.**

Question 37:

Skipped

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. When Amazon EC2 instance pricing option will meet these requirements?

-
- Reserved Instances.**
-

Spot Instances.

-

Dedicated Instances.

-

Dedicated Hosts.

(Correct)

Question 38:

Skipped

Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster? (Select TWO)

-

Amazon EC2 Auto Scaling.

-

AWS Management Console.

(Correct)

-

AWS Concierge.

-

Amazon Simple Storage Service (Amazon S3).

-

AWS CloudFormation.

(Correct)

Question 39:

Skipped

How many Availability Zones should compute resources be provisioned across to achieve high availability?

-

A minimum of two.

(Correct)

-

A minimum of three.

-

A minimum of four or more.

-

A minimum of one.

Question 40:

Skipped

Which of the following services will automatically scale with an expected increase in web traffic?

-

Amazon EBS.

-

AWS CodePipeline.

-

AWS Direct Connect.

-

Elastic Load Balancing.

(Correct)

Question 41:

Skipped

Which of the following are pillars of the AWS Well-Architected Framework? (Select TWO)

-

Encryption usage.

(Correct)

-

Security.

(Correct)

-

Multiple Availability Zones.

-

Performance efficiency.

-

High availability.

Question 42:

Skipped

The AWS Cloud's multiple Regions are an example of:

-

Global infrastructure.

(Correct)

-

Elasticity.

-

Agility.

-

Pay-as-you-go pricing.

Question 43:

Skipped

Which is the MINIMUM AWS Support plan that allows for one-hour target response time for support cases?

-

Developer

-
- **Basic**
-
- **Business.**
- **(Correct)**
-
- **Enterprise.**

Question 44:

Skipped

Which of the following AWS Cloud services can be used to run a customer-managed relational database?

-
- **Amazon ElastiCache.**
-
- **Amazon DynamoDB.**
-
- **Amazon EC2.**
- **(Correct)**
-
- **Amazon Route 53.**

Question 45:

Skipped

Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Select TWO)

-
- **Elasticity.**

(Correct)

- **Reliability.**
- **Pay-as-you-go pricing.**

(Correct)

- **Shared security model.**
- **High availability.**

Question 46:

Skipped

Which of the following are characteristics of Amazon S3? (Select TWO)

- **A local file store.**
- **A global file system.**
- **An object store.**

(Correct)

- **A network file system.**
- **A durable storage system.**

(Correct)

Question 47:

Skipped

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?



Amazon Athena.

(Correct)



AWS Data Pipeline.



AWS Glue.



Amazon CloudSearch.

Question 48:

Skipped

Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?



AWS Identity and Access Management (IAM) policies.

(Correct)



A public and private key-pair.



Security Groups.



Amazon Inspector.

Question 49:

Skipped

How do customers benefit from Amazon's massive economies of scale?

- The ability to scale up and down when needed.
(Correct)
- Periodic price reductions as the result of Amazon's operational efficiencies.
- New Amazon EC2 instance types providing the latest hardware.
- Increased reliability in the underlying hardware of Amazon EC2 instances.

Question 50:

Skipped

A company's web application currently has light 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?

- Doubling EC2 computing resources to increase system fault tolerance.
 - Enabling several EC2 instances to run in parallel to achieve better performance.
 - Implementing elasticity enabling the application to scale up or scale down as demand changes.
 - Focusing on decoupling components by isolating them and ensuring individual components can function when other components.
- (Correct)**

Question 51:

Skipped

Which AWS feature will reduce the customer's total cost of ownership (TCO)?

- **Encryption.**
-
- **Shared responsibility security model.**
- **(Correct)**
-
- **Single tenancy.**
-
- **Elastic computing.**

Question 52:

Skipped

Which of the following common IT tasks can AWS cover to free up company IT resources? (Select TWO)

- **Patching databases software.**
(Correct)
- **Backing up databases.**
(Correct)
- **Creating database schema.**
- **Testing application releases.**
-

Running penetration tests.

Question 53:

Skipped

The user is fully responsible for which action when running workloads on AWS?

- Implementing controls to route application traffic.
- Patching the infrastructure components.
(Correct)
- Maintaining physical and environmental controls.
- Maintaining the underlying infrastructure components.

Question 54:

Skipped

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)?

- IAM user.
(Correct)
- IAM policy.
- IAM role.
- IAM group.

Question 55:

Skipped

What is the AWS customer responsible for according to the AWS shared responsibility model?

- Secure disposal of storage devices.
- Environmental risk management.
- Data encryption. **(Correct)**
- Physical access controls.

Question 56:

Skipped

Which of the following are features of Amazon CloudWatch Logs? (Select TWO)

- Real-time monitoring. **(Correct)**
- Adjustable retention. **(Correct)**
- Summaries by Amazon Simple Notification Service (Amazon SNS).
- Provided at no charge.

Free Amazon Elasticsearch Service analytics.

Question 57:

Skipped

When should a company consider using Amazon EC2 Spot Instances? (Select TWO)

- **For sensitive database applications.**
 - **For non-production applications.**
- (Correct)**
- **For fault-tolerant flexible applications.**
 - **For applications that cannot have interruptions.**
- (Correct)**
- **For stateful workloads.**

Question 58:

Skipped

Which of the following are advantages of AWS consolidated billing? (Select TWO)

- **Potential volume discounts as usage in all accounts is combined.**
- (Correct)**
- **A fixed discount on the monthly bill.**
- **Service limits increasing by default in all accounts.**

-

The ability to receive one bill for multiple accounts.

(Correct)

-

The automatic extension of the master account's AWS support plan to all accounts.

Question 59:

Skipped

Which benefits are included with the AWS Business Support plan? (Select TWO)

-

15-minute response time for production system interruption cases.

-

An unlimited number of cases and contacts.

(Correct)

-

Support from a dedicated AWS Technical Account Manager.

-

Annual operational reviews with AWS Solutions Architects.

-

24/7 assistance by way of live chat or a telephone call.

(Correct)

Question 60:

Skipped

What approach to transcoding a large number of individual video files adheres to AWS architecture principles?

-

Using many instances in parallel.

(Correct)

-

Using a large GPU instance type.

-

Using a single large instance during off-peak hours.

-

Using dedicated hardware.

Question 61:

Skipped

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?

-

Amazon Elastic Compute Cloud (Amazon EC2).

-

AWS CodeCommit.

-

AWS Lambda.

(Correct)

-

Amazon DynamoDB.

Question 62:

Skipped

Which statement best describes Elastic Load Balancing?

-

It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

-

It collects metrics on connected Amazon EC2 instances.

-

It translates a domain name into an IP address using DNS.

-

It distributes incoming application traffic across one or more Amazon EC2 instances.

(Correct)

Question 63:

Skipped

Which AWS service can serve a static website?

-

Amazon QuickSight.

-

Amazon Route 53.

-

Amazon S3.

(Correct)

-

AWS X-Ray.

Question 64:

Skipped

How can a company reduce its Total Cost of Ownership (TCO) using AWS?

-

By having no responsibility for third-party license costs.

-

By having no operational expenditures.

-

By minimizing large capital expenditures.

(Correct)

-

By having AWS manage applications.

Question 65:

Skipped

A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to start supporting the new Region?

-

Download the AWS Management Console for the new Region.

-

Begin deploying resources in the second Region.

-

Move an Availability Zone to the new Region.

(Correct)

-

Contact an AWS Account Manager to sign a new contract.

Question 66:

Skipped

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?

-

Standard RIs.

-

Scheduled RIs.

-

Convertible RIs.

(Correct)

-

Dedicated RIs.

Question 67:

Skipped

Which AWS services should be used for read/write of constantly changing data?
(Select TWO)

-

AWS Snowball.

-

Amazon EFS.

(Correct)

-

Amazon Redshift.

-

Amazon RDS.

(Correct)

-

Amazon Glacier.

Question 68:

Skipped

Which of the following is an AWS managed Domain Name System (DNS) web service?

-

Amazon Route 53.

(Correct)

-

Amazon Neptune.

-

Amazon SageMaker.

-

Amazon Lightsail.

Question 69:

Skipped

A company has deployed several relational databases on Amazon EC2 instances. Every month the database software vendor releases new security patches that need to be applied to the databases. What is the MOST efficient way to apply the security patches?

-

Use AWS Systems Manager to automate database patching according to a schedule.

(Correct)

-

In AWS Config, configure a rule for the instances and the required patch level.

-

Enable automatic patching for the instances using the Amazon RDS console.

-

Connect to each database instance on a monthly basis and download and apply the necessary security patches from the vendor.

Question 70:

Skipped

Which is the minimum AWS Support plan that includes Infrastructure Event Management without additional costs?

-

Basic.

-

Enterprise.

(Correct)

-

Business.

-

Developer.

Question 71:

Skipped

Which of the following are categories of AWS Trusted Advisor? (Select TWO)

-

Storage Capacity.

-

Fault Tolerance.

(Correct)

-

Performance.

(Correct)

-

Infrastructure.

-

Instance Usage.

Question 72:

Skipped

Which of the following is the customer's responsibility under the AWS shared responsibility model?

-

Physical security

-

Patching network infrastructure

-

Patching underlying infrastructure

-

Patching Amazon EC2 instances

(Correct)

Question 73:

Skipped

Which of the following BEST describe the AWS pricing model? (Select TWO)

-

Pay-as-you-go.

(Correct)

-

Planned.

-

Variable cost.

(Correct)

-

Colocation.

-

Fixed-term.

Question 74:

Skipped

A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

-

Launch the instances in multiple AWS Regions but in the same Availability Zone.

-

Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.

-

Launch the instances across multiple Availability Zones in a single AWS Region.

(Correct)

-

Launch the instances as EC2 Spot Instances in the same AWS Region but in different Availability Zones.

Question 75:

Skipped

Which AWS services can host a Microsoft SQL Server database? (Select TWO)

-

Amazon Relational Database Service (Amazon RDS).

(Correct)

-

Amazon EC2.

(Correct)

-

Amazon Aurora.

-

Amazon Redshift.

-

Amazon S3.

Question 76:

Skipped

According to the AWS shared responsibility model what is the sole responsibility of AWS?

-

Patch management.

-

Client-side data.

-

Edge location management.

(Correct)

-

Application security.

Question 77:

Skipped

Where can AWS compliance and certification reports be downloaded?

-

AWS Trusted Advisor.

-

AWS Certificate Manager.

-

AWS Artifact.

(Correct)

-

AWS Concierge.

Question 78:

Skipped

A user wants guidance on possible savings when migrating from on-premises to AWS. Which tool is suitable for this scenario?

-

AWS Total Cost of Ownership (TCO) Calculator.

(Correct)

-

Cost Explorer.

-

AWS Budgets.

-

AWS Well-Architected Tool.

Question 79:

Skipped

Which AWS service delivers data videos applications and APIs to users globally with low latency and high transfer speeds?

-

Amazon Connect.

(Correct)

-

Amazon EC2.

-

Amazon Route 53.

-

Amazon CloudFront.

Question 80:

Skipped

Under the shared responsibility model which of the following is a shared control between a customer and AWS?

- Zone security.
- Data center auditing.
- Patch management.
(Correct)
- Physical controls.

Question 81:

Skipped

Which design principles for cloud architecture are recommended when re-architecting a large monolithic application? (Select TWO)

- Implement loose coupling.
(Correct)
- Use fixed servers.
- Use manual monitoring.
- Design for scalability.
(Correct)
- Rely on individual components.

Question 82:

Skipped

How would an AWS customer easily apply common access controls to a large set of users?

-

Apply an IAM policy to an Amazon Cognito user pool.

-

Apply an IAM policy to an IAM role.

-

Apply an IAM policy to an IAM group.

(Correct)

-

Apply the same IAM policy to all IAM users with access to the same workload.

Question 83:

Skipped

Which AWS service would you use to obtain compliance reports and certificates?

-

AWS Certificate Manager.

-

Amazon Inspector.

-

AWS Artifact.

(Correct)

-

AWS Lambda.

Question 84:

Skipped

Which is a recommended pattern for designing a highly available architecture on AWS?

- Ensure that the application is designed to accommodate failure of any single component.
(Correct)
- Ensure that components have low-latency network connectivity.
-
- Run enough Amazon EC2 instances to operate at peak load.
-
- Use a monolithic application that handles all operations.

Question 85:

Skipped

What is the lowest-cost durable storage option for retaining database backups for immediate retrieval?

- - Amazon Glacier.
 -
 - Amazon EBS.
 -
 - Amazon S3.
- (Correct)**
- - Amazon EC2 Instance Store.

Question 86:

Skipped

What credential components are required to gain programmatic access to an AWS account? (Select TWO)

-

A user ID.

-

An access key ID.

(Correct)

-

A secret access key.

(Correct)

-

A primary key.

-

A secondary key.

Question 87:

Skipped

Which AWS IAM feature allows developers to access AWS services through the AWS CLI?

-

Access keys.

(Correct)

-

User names/Passwords.

-

API keys.

-

SSH keys.

Question 88:

Skipped

Which of the following steps should be taken by a customer when conducting penetration testing on AWS?

-

Notify AWS support and then conduct testing immediately.

-

Request and wait for approval from AWS support and then conduct testing.

-

Request and wait for approval from the customer's internal security team and then conduct testing.

(Correct)

-

Conduct penetration testing using Amazon Inspector and then notify AWS support.

Question 89:

Skipped

Which of the following is a correct relationship between regions Availability Zones and edge locations?

-

Availability Zones contain edge locations.

-

Edge locations contain regions.

-

Data centers contain regions.

-

Regions contain Availability Zones.

(Correct)

Question 90:

Skipped

Which services can be used across hybrid AWS Cloud architectures? (Select TWO)

-

Amazon Route 53.

(Correct)

-

Virtual Private Gateway.

(Correct)

-

Classic Load Balancer.

-

Amazon CloudWatch default metrics.

-

Auto Scaling.

Question 91:

Skipped

Which AWS managed service is used to host databases?

-

AWS Batch.

-

AWS Artifact.

-

Amazon RDS.

(Correct)

-

AWS Data Pipeline.

Question 92:

Skipped

Under the shared responsibility model which of the following tasks are the responsibility of the AWS customer? (Select TWO)

-

Ensuring that access to data centers is restricted.

-

Ensuring that users have received security training in the use of AWS services.

(Correct)

-

Ensuring that AWS NTP servers are set to the correct time.

-

Ensuring that application data is encrypted at rest.

(Correct)

-

Ensuring that hardware is disposed of properly.

Question 93:

Skipped

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?

-

Developer.

-

Basic.

- Enterprise.
- (Correct)**

- Business.

Question 94:

Skipped

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?

- AWS Regions.
- Availability Zones.

(Correct)

- Edge locations.
- Amazon CloudFront.

Question 95:

Skipped

Which of the following is a cloud architectural design principle?

- Scale up not out.
- Build monolithic systems.

Loosely couple components.

(Correct)

-

Use commercial database software.

Question 96:

Skipped

Which AWS service is a managed NoSQL database?

-

Amazon Aurora.

-

Amazon RDS for ManaDB.

-

Amazon DynamoDB.

(Correct)

-

Amazon Redshift.

Question 97:

Skipped

Which AWS tools assist with estimating costs? (Select three)

-

Detailed billing report.

-

AWS Total Cost of Ownership (TCO) Calculator.

(Correct)

-

Cost allocation tags.

(Correct)

-

Cost Estimator.

-

AWS Simple Monthly Calculator.

(Correct)

Question 98:

Skipped

An administrator needs to rapidly deploy a popular IT solution and start using it immediately. Where can the administrator find assistance?

-

AWS Well-Architected Framework documentation.

-

AWS CodeCommit.

-

AWS Quick Start reference deployments.

(Correct)

-

Amazon CloudFront.

Question 99:

Skipped

According to the AWS shared responsibility model who is responsible for configuration management?

-

It is solely the responsibility of AWS.

-

It is shared between AWS and the customer.

(Correct)

- It is solely the responsibility of the customer.
- It is not part of the AWS shared responsibility model.

Question 100:

Skipped

What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

- It enabled users to dynamically adjust CPU and RAM resources.
- It provides 99.9999999999% reliability and durability.
- It automatically scales databases for loads.
- It simplifies relational database administration tasks.

(Correct)

Question 101:

Skipped

What is Amazon CloudWatch?

- A code repository with customizable build and team commit features.
- A security configuration repository with threat analytics.
- A metrics repository with customizable notification thresholds and channels.

(Correct)

-

A rule repository of a web application firewall with automated vulnerability prevention features.

Question 102:

Skipped

Which AWS service identifies security groups that allow unrestricted access to a user's AWS resources?

-

Amazon Inspector.

-

AWS CloudTrail.

-

Amazon CloudWatch.

-

AWS Trusted Advisor.

(Correct)

Question 103:

Skipped

Which AWS services provide a way to extend an on-premises architecture to the aws cloud?

-

Amazon EBS.

-

Amazon Connect.

(Correct)

-

Amazon CloudFront.

(Correct)

- **AWS Storage Gateway AWS CLOUD PRACTITIONER DUMPS.**
- **AWS Direct Connect.**

Question 104:

Skipped

Which AWS service allows users to identify the changes made to a resource over time?

- **AWS Config.**
- **AWS Service Catalog.**
- **Amazon Inspector.**
- **AWS IAM.**

Question 105:

Skipped

How does AWS shorten the time to provision IT resources?

- **It automates the resource request process from a company's IT vendor list.**
- **It supports automatic code validation services.**
- **It provides the ability to programmatically provision existing resources.**

(Correct)

-

It supplies an online IT ticketing platform for resource requests.

Question 106:

Skipped

Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Select TWO)

-

Subnets.

(Correct)

-

Elastic Load Balancing.

-

Security Groups.

(Correct)

-

Amazon CloudFront distributions.

-

Amazon Route 53.

Question 107:

Skipped

Which service stores objects provides real-time access to those objects and offers versioning and lifecycle capabilities?

-

AWS Storage Gateway.

-

Amazon S3.

(Correct)

- Amazon Glacier.
- Amazon EBS.

Question 108:

Skipped

Which of the following will enhance the security of access to the AWS Management Console'? (Select TWO)

- AWS Secrets Manager.
- Password policies.
- AWS Certificate Manager.
- Security groups.
- AWS Multi-Factor Authentication (AWS MFA).

(Correct)

Question 109:

Skipped

Which storage service can be used as a low-cost option for hosting static websites?

- Amazon Simple Storage Service (Amazon S3).
- (Correct)

- Amazon DynamoDB.
- Amazon Glacier.
- Amazon Elastic File System (Amazon EFS).

Question 110:

Skipped

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?

- Create one global AWS account and move all AWS resources to tha account.
- Sign up for three years of Reserved Instance pricing up front.
- Sign up for the AWS Enterprise support plan to get volume discounts.
- Use the consolidated billing feature from AWS Organizations.

(Correct)

Question 111:

Skipped

What technology enables compute capacity to adjust as loads change?

- Auto Scaling.

(Correct)

-

Load balancing.

-
- **Round robin.**
-
- **Automatic failover.**

Question 112:

Skipped

A company wants to focus on business activities instead of managing compute and capacity. Which AWS service can be used to automatically add or remove Amazon EC2 instances based on demand?

-
- **Amazon CloudFront.**
-
- **Elastic Load Balancer.**
-
- **Amazon EC2 Auto Scaling.**
- **(Correct)**
-
- **Amazon Route 53.**

Question 113:

Skipped

Amazon Relational Database Service (Amazon RDS) offers which of the following benefits over traditional database management?

-
- **AWS manages the data stored in Amazon RDS tables.**
-
- **AWS manages the maintenance of the operating system.**
-

AWS manages the database type.

-

AWS automatically scales up instance types on demand.

(Correct)

Question 114:

Skipped

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world (Select TWO)

-

Amazon CloudFront has multiple edge locations around the world to reduce latency.

(Correct)

-

Amazon Translate automatically translates third-party website interfaces into multiple languages.

-

Companies can deploy applications in multiple AWS Regions to reduce latency.

(Correct)

-

Amazon Comprehend allows users to build applications that can respond to user requests in many languages.

-

Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world which reduces latency.

Question 115:

Skipped

Which task is AWS responsible for in the shared responsibility model for security and compliance?

-

Granting access to individuals and services.

- - **Encrypting data in transit.**
 -
 - **Updating Amazon EC2 host firmware.**
- (Correct)**
- - **Updating operating systems.**

Question 116:

Skipped

Web servers running on Amazon EC2 access a legacy application running in a corporate data center. What term would describe this model?

- - **Partner network.**
 -
 - **Hybrid architecture.**
- (Correct)**
- - **Infrastructure as a service.**
 -
 - **Cloud-native.**

Question 117:

Skipped

Under the AWS shared responsibility model which of the following activities are the customer's responsibility? (Select TWO)

-
- **Maintaining environmental controls within a data center.**

- **Configuring Network Access Control Lists (ACL).**
(Correct)
- **Encrypting data on the client-side.**
(Correct)
- **Training the data center staff.**
- **Patching operating system components for Amazon Relational Database Server (Amazon RDS).**

Question 118:

Skipped

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?

- **AWS Service Catalog.**
- **AWS Partner Network Consulting Partners.**
(Correct)
- **AWS Marketplace.**
- **AWS Partner Network Technology Partners.**

Question 119:

Skipped

Access keys in AWS Identity and Access Management (IAM) are used to

-
- Log in to the AWS Management Console.**
-
- Authenticate to AWS CodeCommit repositories.**
-
- Make programmatic calls to AWS from AWS APIs.**
(Correct)
-
- Log in to Amazon EC2 instances.**

Question 120:

Skipped

Which service should a customer use to consolidate and centrally manage multiple AWS accounts?

-
- AWS Config.**
-
- AWS Organizations.**
- (Correct)**
-
- AWS Schema Conversion Tool.**
-
- AWS IAM.**

Question 121:

Skipped

Which AWS service allows companies to connect an Amazon VPC to an on-premises data center?

-

AWS VPN.

(Correct)

-

Amazon Redshift.

-

API Gateway.

-

Amazon Direct Connect.

Question 122:

Skipped

What AWS team assists customers with accelerating cloud adoption through paid engagements in any of several specialty practice areas?

-

AWS Professional Services.

(Correct)

-

AWS Solutions Architects.

-

AWS Enterprise Support.

-

AWS Account Managers.

Question 123:

Skipped

Which AWS services are defined as global instead of regional? (Select TWO)

-

Amazon CloudFront.

(Correct)

- **Amazon EC2.**
- **Amazon S3.**
- **Amazon DynamoDB.**
- **Amazon Route 53.**

(Correct)

Question 124:

Skipped

If a customer needs to audit the change management of AWS resources which of the following AWS services should the customer use?

- **Amazon Inspector.**
- **AWS Config.**

(Correct)

Question 125:

Skipped

The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

-

Cost allocation tags.

(Correct)

-

AWS Budgets.

-

AWS Marketplace.

-

Consolidated billing.

Question 126:

Skipped

Which of the following is an important architectural design principle when designing cloud applications?

-

Use open source software.

-

Use tightly coupled components.

-

Use multiple Availability Zones.

(Correct)

-

Provision extra capacity.

Question 127:

Skipped

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

-

Design for failure.

(Correct)

-

Design for agility.

-

Implement automation.

-

Implement elasticity.

Question 128:

Skipped

Which service enables risk auditing by continuously monitoring and logging account activity including user actions in the AWS Management Console and AWS SDKs?

-

AWS CloudTrail.

(Correct)

-

AWS Config.

-

Amazon CloudWatch.

-

AWS Health.

Question 129:

Skipped

Which AWS feature should a customer leverage to achieve high availability of an application?

-

Availability Zones.

(Correct)

- Data centers.
- AWS Direct Connect.
- Amazon Virtual Private Cloud (Amazon VPC).

Question 130:

Skipped

What is the benefit of using AWS managed services such as Amazon ElastiCache and Amazon Relational Database Service (Amazon RDS)?

- They simplify patching and updating underlying OSs.

(Correct)

- They require the customer to monitor and replace failing instances.

- They have better performance than customer-managed services.

- They do not require the customer to optimize instance type or size selections.

Continue

Retake test

A characteristic of edge locations is that they:

-
- Host Amazon EC2 instances closer to users.**
-
- Cache frequently changing data without reaching the origin server.**
- (Correct)**
-
- Help lower latency and improve performance for users.**
-
- Refresh data changes daily.**

Question 2:

Skipped

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

-
- Ensuring the physical security of cloud data centers.**
-
- Ensuring network connectivity from AWS to the internet.**
-
- Patching and fixing flaws within the AWS Cloud infrastructure.**
-
- Ensuring Amazon EBS volumes are backed up.**

(Correct)

Question 3:

Skipped

Which of the following security measures protect access to an AWS account?
(Select TWO)

- **Enable AWS CloudTrail.**
- **Grant least privilege access to IAM users.**
(Correct)
- **Create one IAM user and share with many developers and users.**
- **Enable Amazon CloudFront.**
- **Activate multi-factor authentication (MFA) for privileged users.**
(Correct)

Question 4:

Skipped

Which of the following is a component of the AWS Global Infrastructure?

- **AWS Regions.**
(Correct)
- **AWS Organizations.**
- **Amazon Lightsail.**
- **Amazon Alexa.**

Question 5:

Skipped

How can a user protect against AWS service disruptions if a natural disaster affects an entire geographic area?

-
- **Use a hybrid cloud computing deployment model within the geographic area.**
-
- **Deploy applications across multiple Availability Zones within an AWS Region.**
-
- **Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.**
-
- **Deploy applications across multiple AWS Regions.**

(Correct)

Question 6:

Skipped

What can users access from AWS Artifact?

-
- **AWS security and compliance documents.**
- **(Correct)**
-
- **A security assessment of the applications deployed in the AWS Cloud.**
-
- **A download of configuration management details for all AWS resources.**
-
- **Training materials for AWS services.**

Question 7:

Skipped

Which AWS security service protects applications from distributed denial of service attacks with always-on detection and automatic inline mitigations?

-
- **Amazon Inspector.**
-
- **AWS Web Application Firewall (AWS WAF).**
- **(Correct)**
-
- **Elastic Load Balancing (ELB).**
-
- **AWS Shield.**

Question 8:

Skipped

A Cloud Practitioner must determine if any security groups in an AW account have been provisioned to allow unrestricted access for specific ports What is the SIMPLEST way to do this?

-
- **Run AWS Trusted Advisor and review the findings.**
- **(Correct)**
-
- **In AWS Config create a custom rule that invokes an AWS Lambda function to review firewall rules for inbound access.**
-
- **Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.**
-
- **Open the AWS IAM console and check the inbound rule filters for open access.**

Question 9:

Skipped

Which of the following services falls under the responsibility of the customer to maintain operating system configuration security patching and networking?

-
- Amazon RDS.
-
- AWS Fargate.
-
- Amazon EC2.
- (Correct)**
-
- Amazon ElastiCache.

Question 10:

Skipped

How should a customer forecast the future costs for running a new web application?

-
- Amazon CloudWatch Billing Alarms.
-
- Amazon Aurora Backtrack.
-
- AWS Cost and Usage report.
-
- AWS Simple Monthly Calculator.

(Correct)

Question 11:

Skipped

Which service's PRIMARY purpose is software version control?

- **Amazon CodeStar.**
- **AWS Command Line Interface (AWS CLI).**
- **Amazon Cognito.**
- **AWS CodeCommit.**

(Correct)

Question 12:

Skipped

Which of the following security-related services does AWS offer? (Select TWO)

- **Multi-factor authentication physical tokens.**
- **Automated penetration testing.**
- **AWS Trusted Advisor security checks.**

(Correct)

- **Amazon S3 copyrighted content detection.**
- **Data encryption.**

(Correct)

Question 13:

Skipped

What can AWS edge locations be used for? (Select TWO)

- **Hosting applications.**
- **Reducing traffic on the server by caching responses.**
(Correct)
- **Delivering content closer to users.**
(Correct)
- **Running NoSQL database caching services.**
- **Sending notification messages to end users.**

Question 14:

Skipped

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

- **Users do not have to wait for infrastructure provisioning.**
(Correct)
- **The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.**
- **Users do not need to address security and compliance issues.**

-

AWS takes over application configuration management on behalf of users.

Question 15:

Skipped

A company is looking for a scalable data warehouse solution. Which of the following AWS solutions would meet the company's needs?

-

Amazon DynamoDB.

-

Amazon Simple Storage Service (Amazon S3).

-

Amazon Redshift.

(Correct)

-

Amazon Kinesis.

Question 16:

Skipped

Where should a company go to search software listings from independent software vendors to find test buy and deploy software that runs on AWS?

-

Amazon CloudSearch.

-

AWS Artifact.

-

Amazon Lumberyard.

-

AWS Marketplace.

(Correct)

Question 17:

Skipped

Which of the following are valid ways for a customer to interact with AWS services?
(Select TWO)

- Software-as-a-service.
- Command line interface.

(Correct)

- Hybrid.
- Software Development Kits.

(Correct)

- On-premises.

Question 18:

Skipped

Which type of AWS storage is ephemeral and is deleted when an instance is stopped Or terminated?

- Amazon EC2 instance store.

(Correct)

- Amazon EFS.

Amazon S3.

-

Amazon EBS.

Question 19:

Skipped

One of the advantages to moving infrastructure from an on-premises data center to the AWS Cloud is:

-

It allows the business to eliminate IT bills.

-

It allows the business to focus on business activities.

(Correct)

-

It allows the business to leave servers unpatched.

-

It allows the business to put a server in each customer's data center.

Question 20:

Skipped

Which Amazon EC2 instance pricing model can provide discounts of up to 90%?

-

Dedicated Hosts.

-

Spot Instances.

(Correct)

-

On-Demand.

-

Reserved Instances.

Question 21:

Skipped

Which of the following AWS services can be used to serve large amounts of online video content with the lowest possible latency? (Select TWO)

- **Amazon CloudFront.**
(Correct)
- **Amazon S3.**
(Correct)
- **Amazon Elastic File System (EFS).**
- **Amazon Glacier.**
- **appGateway.**

Question 22:

Skipped

What is an example of agility in the AWS Cloud?

- **Access to multiple instance types.**
- **Access to managed services.**
- **Using Consolidated Billing to produce one bill.**
-

Decreased acquisition time for new compute resources.

(Correct)

Question 23:

Skipped

What are the advantages of the AWS Cloud (Select TWO)

- Fixed rate monthly cost.
- Physical access to cloud data centers.
- Increased upfront capital expenditure.

(Correct)

- Increased speed to market.
- No need to guess capacity requirements.

(Correct)

Question 24:

Skipped

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?

- Amazon EC2 Reserved Instances.
- Amazon EC2 Dedicated Instances.

(Correct)

-

Amazon EC2 Spot Instances.

-

Amazon EC2 On-Demand Instances.

Question 25:

Skipped

Which of the following is an AWS Cloud architecture design principle?

-

Implement loose coupling.

(Correct)

-

Implement vertical scaling.

-

Implement monolithic design.

-

Implement single points of failure.

Question 26:

Skipped

How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

-

They are able to distribute incoming requests across a tier of web server instances.

-

application needs it.

-

They automatically add or replace instances across multiple Availability Zones when the

(Correct)

-

They automatically add more instances across multiple AWS Regions based on global demand of the application.

-

They enable the application's stalk: content to reside closer to end users.

Question 27:

Skipped

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)?

-

No Upfront Reserved Instances

-

Dedicated Hosts

(Correct)

-

On-Demand Instances

-

Reserved Instances

Question 28:

Skipped

Which of the following components of the AWS Global Infrastructure consists of one or more discrete data centers interconnected through low latency links?

-

Edge location

-

Region

-

Private networking

-

Availability Zone

(Correct)

Question 29:

Skipped

A company is planning to migrate from on-premises to the AWS Cloud. When AWS tool or service provides detailed reports on estimated cost savings after migration?

-

AWS Total Cost of Ownership (TCO) Calculator.

-

AWS Budgets.

(Correct)

-

AWS Migration Hub.

-

Cost Explorer.

Question 30:

Skipped

Which AWS service would a customer use with a static website to achieve lower latency and high transfer speeds?

-

Amazon CloudFront.

(Correct)

-

AWS Lambda.

-

Amazon Route 53.

-

Amazon DynamoDB Accelerator.

Question 31:

Skipped

Much AWS services provide a way to extend an on-premises architecture to the AWS Cloud? (Select TWO)

-

Amazon CloudFront.

-

Amazon EBS.

-

AWS Storage Gateway.

(Correct)

-

AWS Direct Connect.

(Correct)

-

Amazon Connect.

Question 32:

Skipped

Where are AWS compliance documents such as an SOC 1 report located?

-

Amazon Inspector.

-

AWS Artifact.

(Correct)

-

AWS Certificate Manager.

-

AWS CloudTrail.

Question 33:

Skipped

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

-

Easy and fast deployment of applications in multiple Regions around the world.

-

Lower variable costs due to massive economies of scale.

-

Security of the AWS Cloud.

-

Elasticity of the AWS Cloud.

(Correct)

Question 34:

Skipped

What is a value proposition of the AWS Cloud?

-

Provision new servers in days.

-

AWS is responsible for security in the AWS Cloud.

(Correct)

-

No long-term contract is required.

-

AWS manages user applications in the AWS Cloud.

Question 35:

Skipped

Which of the following tasks is the responsibility of AWS?

-

Setting user password policies.

-

Configuring AWS Identity and Access Management (IAM) roles.

-

Encrypting client-side data.

-

Securing the Amazon EC2 hypervisor.

(Correct)

Question 36:

Skipped

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? (Select TWO)

-

Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers

-

Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC

(Correct)

- Use Amazon Athena to query data from the on-premises database servers
 - Connect the company's on-premises data center to AWS using AWS Direct Connect
 - Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated
- (Correct)

Question 37:

Skipped

Which service provides a hybrid storage service that enables on-premises applications to seamlessly use cloud storage?

- AWS Snowball
-
- Amazon Glacier
-
- Amazon Elastic Block Storage (Amazon EBS)
-
- AWS Storage Gateway

(Correct)

Question 38:

Skipped

Which AWS service is used to track record and audit configuration changes made to AWS resources?

- AWS IAM.

-

AWS Config.

(Correct)

-

AWS Shield.

-

Amazon Inspector.

Question 39:

Skipped

A customer needs to run a MySQL database that easily scales. Which AWS service should they use?

-

Amazon ElastiCache.

-

Amazon Aurora.

(Correct)

-

Amazon DynamoDB.

-

Amazon Redshift.

Question 40:

Skipped

Which of the following services have Distributed Denial of Service (DDoS) mitigation features? (Select TWO)

-

Amazon Inspector.

-

Amazon CloudFront.

(Correct)

-

Amazon DynamoDB.

-

AWSWAF.

(Correct)

-

Amazon EC2.

Question 41:

Skipped

How can a customer increase security to AWS account logons? (Select TWO)

-

Enable AWS Organizations

-

Use Amazon Cognito to manage access

-

Enable Multi-Factor Authentication (MFA)

(Correct)

-

Configure a strong password policy

(Correct)

-

Configure AWS Certificate Manager

Question 42:

Skipped

A company will be moving from an on-premises data center to the AWS Cloud. What would be one financial difference after the move?

- Moving from variable operational expense (opex) to upfront capital expense (capex).
- Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex).
- Moving from upfront capital expense (capex) to variable operational expense (opex).
(Correct)
- Moving from upfront capital expense (capex) to variable capital expense (capex).

Question 43:

Skipped

What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Select TWO)

- AWS makes it easy to architect for high availability.
(Correct)
- AWS can easily accommodate application demand changes.
- AWS will take care of operating the application.
- AWS automatically distributes the data globally for higher durability.

-

AWS takes care of application security patching.

(Correct)

Question 44:

Skipped

Which type of mirroring does SPAN technology perform?

-

Remote mirroring over Layer 2.

-

Local mirroring over Layer 2.

(Correct)

-

Remote mirroring over Layer 3.

-

Local mirroring over Layer 3.

Question 45:

Skipped

Your customer wants to grant restricted proxy rights to their HR Department to act on behalf of employees belonging to their legal entity. How can you perform this requirement? There are 2 correct answers to this question.

-

Use the Proxy Management tool to configure the requested proxy assignments.

(Correct)

-

Fill the Basic Import template with the requested proxy configuration and import the file using the Import and Export Data tool.

-

Use the Manage Permission Roles tool to grant proxy rights to the HR Department.

-

Fill the PROXY column of the Basic Import template to match the requirements and import the file using the Import Employee Data tool.

(Correct)

Question 46:

Skipped

Which feature of the AWS Cloud will support an international company's requirement for low latency to all of its customers?

-

Global reach.

(Correct)

-

High availability.

-

Fault tolerance.

-

Pay-as-you-go pricing.

Question 47:

Skipped

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)

-

Proximity to the customer's office for on-site visits.

-

Data sovereignty compliance.

(Correct)

- **Reduced latency to users.**
(Correct)
- **The application's presentation in the local language.**
- **Cooling costs in hotter climates.**

Question 48:

Skipped

Which is the MINIMUM AWS Support plan that provides technical support through phone calls?

- **Business.**
(Correct)
- **Basic.**
- **Enterprise.**
- **Developer.**

Question 49:

Skipped

In which scenario should Amazon EC2 Spot Instances be used?

- **A company's heavily used legacy database is currently running on-premises.**
-

A company wants to move its main website to AWS from an on-premises web server.

- A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- A company has a number of infrequent interruptible jobs that are currently using On-Demand Instances.

(Correct)

Question 50:

Skipped

Which Amazon EC2 pricing model adjusts based on supply and demand of EC2 instances?

- Convertible Reserved Instances.
- Reserved Instances.
- On-Demand Instances.
- Spot Instances.

(Correct)

Question 51:

Skipped

Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

- Dedicated Hosts.

(Correct)

- **Spot Instances.**
-
- **Reserved Instances.**
-
- **On-Demand Instances.**

Question 52:

Skipped

Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

-
- **Amazon EC2 Systems Manager.**
-
- **Amazon Elastic Block Store (Amazon EBS).**
-
- **Amazon AppStream 2.0.**
-
- **Amazon Machine Image.**

(Correct)

Question 53:

Skipped

What is an advantage of deploying an application across multiple Availability Zones?

-
- **There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region.**
-

There will be better coverage as Availability Zones are geographical^ distant and can serve a wider area.

-

The application will have higher availability because it can withstand a service disruption in one Availability Zone.

(Correct)

-

There will be decreased application latency that will improve the user experience.

Question 54:

Skipped

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?

-

Design for failure.

-

Decouple your components.

-

Think parallel.

-

Implement elasticity.

(Correct)

Question 55:

Skipped

Which AWS service provides the ability to manage infrastructure as code?

-

AWS CodeDeploy.

-

AWS CloudFormation.

(Correct)

-

AWS CodePipeline.

-

AWS Direct Connect.

Question 56:

Skipped

Which AWS service provides a customized view of the health of specific AWS services that power a customer's workloads running on AWS?

-

AWS Service Health Dashboard.

-

Amazon CloudWatch.

-

AWS Personal Health Dashboard.

(Correct)

-

AWS X-Ray.

Question 57:

Skipped

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

-

AWS Senior Support Engineers.

-

AWS Discussion Forums.

- **AWS Technical Account Managers.**
 - **AWS Trusted Advisor.**
- (Correct)

Question 58:

Skipped

A company has business critical workloads hosted on AWS and they are unwilling to accept any downtime. Which of the following is a recommended best practice to protect their workloads in the event of an unexpected natural disaster?

- **Replicate data across multiple Edge Locations worldwide and use Amazon CloudFront to perform automatic failover in the event of an outage.**
 - **Create point-in-time backups in another subnet and recover this data when a disaster occurs.**
 -
 - **Deploy AWS resources across multiple Availability Zones within the same AWS Region.**
 - **Deploy AWS resources to another AWS Region and implement an Active-Active disaster recovery strategy.**
- (Correct)

Question 59:

Skipped

Which of the following can limit Amazon Simple Storage Service (Amazon S3) bucket access to specific users?

-
- **Amazon Inspector.**
-

A public and private key-pair.

-

AWS Identity and Access Management (IAM) policies.

(Correct)

-

Security Groups.

Question 60:

Skipped

Under the shared responsibility model which of the following areas are the customer's responsibility? (Select TWO)

-

Configuration of the security group.

-

Physical security of data centers.

-

Patching of the underlying hypervisor.

(Correct)

-

Firmware upgrades of network infrastructure.

-

Patching of operating systems.

(Correct)

Question 61:

Skipped

Which of the following are advantages of AWS consolidated billing? (Choose two)

-

A fixed discount on the monthly bill.

-

The ability to receive one bill for multiple accounts.

(Correct)

-

The automatic extension of the master account's AWS support plan to all accounts.

-

Potential volume discounts as usage in all accounts is combined.

(Correct)

-

Service limits increasing by default in all accounts.

Question 62:

Skipped

How can one AWS account use Reserved Instances from another AWS account?

-

By using AWS Organizations consolidated billing.

(Correct)

-

By using the AWS Cost Explorer tool.

-

By using AWS Budgets.

-

By using Amazon EC2 Dedicated Instances.

Question 63:

Skipped

Which AWS service provides alerts when an AWS event may impact a company's AWS resources?

- **AWS Personal Health Dashboard.**
(Correct)
-
- **AWS Trusted Advisor.**
-
- **AWS Service Health Dashboard.**
-
- **AWS Infrastructure Event Management.**

Question 64:

Skipped

AWS supports which of the following methods to add security to Identity and Access Management (IAM) users? (Select TWO)

- **Blocking access with Security Groups.**
- **Using AWS Shield-protected resources.**
- **Using Multi-Factor Authentication (MFA).**
(Correct)
- **Implementing Amazon Rekognition.**
- **Enforcing password strength and expiration.**
(Correct)

Question 65:

Skipped

Which services are parts of the AWS serverless platform?

- **Amazon Kinesis Amazon SQS Amazon EMR.**
-
- **Amazon EC2 Amazon S3 Amazon Athena.**
-
- **Amazon Athena Amazon Cognito Amazon EC2.**
-
- **AWS Step Functions Amazon DynamoDB Amazon SNS.**

(Correct)

Question 66:

Skipped

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

-
- **AWS Trusted Advisor.**
-
- **AWS Support case.**
-
- **Concierge team.**
-
- **Amazon Connect.**

(Correct)

Question 67:

Skipped

Compared with costs in traditional and virtualized data centers AWS has:

-

Lower variable costs and lower upfront costs.

(Correct)

-

Greater variable costs and greater upfront costs.

-

Lower variable costs and greater upfront costs.

-

Fixed usage costs and lower upfront costs.

Question 68:

Skipped

Which of the following services could be used to deploy an application to servers running on-premises? (Select TWO)

-

AWS X-Ray.

-

AWS OpsWorks.

(Correct)

-

AWS Elastic Beanstalk.

-

AWS Batch.

-

AWS CodeDeploy.

(Correct)

Question 69:

Skipped

Which disaster recovery scenario offers the lowest probability of down time?

-
- **Warm standby.**
-
- **Backup and restore.**
-
- **Pilot light.**
-
- **Multi-site active-active.**

(Correct)

Question 70:

Skipped

Which two statements about configuring a traffic monitoring session are true?

(Choose two)

- A destination port can also be a source port within the same session.
 - An unlimited number of monitoring session can be stored.
 - A vHBA can be a source for either an Ethernet or Fibre Channel monitoring session but not both.
- (Correct)**
- You can set a local VM as a traffic destination.
 - A newly created monitoring session is enabled by default.

-

You can have up to two active monitoring sessions simultaneously.

(Correct)

Question 71:

Skipped

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?

-

Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store.

-

Amazon Redshift.

-

Amazon DynamoDB.

-

Amazon EC2 with Amazon Elastic Block Store (Amazon EBS).

(Correct)

Question 72:

Skipped

One benefit of On-Demand Amazon Elastic Compute Cloud (Amazon EC2) pricing is:

-

Paying a daily rate regardless of time used.

-

Pre-paying for instances and paying a lower hourly rate.

-

Paying only for time used.

(Correct)

-

The ability to bid for a lower hourly cost.

Question 73:

Skipped

Which AWS service should be used for long-term low-cost storage of data backups?

-

Amazon RDS.

-

AWS Snowball.

-

AWS EBS.

-

Amazon Glacier.

(Correct)

Question 74:

Skipped

Which of the following is an advantage of consolidated billing on AWS?

-

Eliminates the need for tagging.

-

Multiple bills per account.

-

Volume pricing qualification.

(Correct)

-

Shared access permissions.

Question 75:

Skipped

What can assist in evaluating an application for migration to the cloud? (Select TWO)

- **AWS Partner Network (APN).**
(Correct)
- **AWS Secrets Manager.**
- **AWS Professional Services.**
(Correct)
- **AWS Systems Manager.**
- **AWS Trusted Advisor.**

Continue

Retake test

What are the benefits of using an AWS-managed service? (Choose TWO)

- **Provides complete control over the virtual infrastructure.**
 - **Eliminates the need to encrypt data.**
 - **Lowers operational complexity.**
- (Correct)**
- **Allows developers to control all patching related activities.**
 - **Allows customers to deliver new solutions faster.**

(Correct)

Question 2:

Skipped

Which AWS Service offers volume discounts based on usage?

- **AWS Cost Explorer.**
-

Amazon S3.

(Correct)

- **Amazon VPC.**
-

Amazon Lightsail.

Question 3:

Skipped

A company is trying to analyze the costs applied to their AWS account recently. Which of the following provides them the most granular data about their AWS costs and usage?

-
- AWS Cost & Usage Report.**
-
- Amazon Machine Image.**
-
- AWS Cost Explorer.**
- (Correct)**
-
- Amazon CloudWatch.**

Question 4:

Skipped

A company is building an online cloud storage platform. They need a storage service that can scale capacity automatically while minimizing cost. Which AWS storage service should the company use to meet these requirements?

-
- Amazon Simple Storage Service.**
- (Correct)**
-
- AWS Storage Gateway.**
-
- Amazon Elastic Container Service.**
-
- Amazon Elastic Block Store.**

Question 5:

Skipped

Which statement best describes the concept of an AWS region?

- - An AWS Region is a geographical location with a collection of Edge locations.**
 -
 - An AWS Region represents the country where the AWS infrastructure exist.**
 -
 - An AWS Region is a geographical location with a collection of Availability Zones.**
- (Correct)**
- - An AWS Region is a virtual network dedicated only to a single AWS customer.**

Question 6:

Skipped

Which AWS service enables you to quickly purchase and deploy SSL/TLS certificates?

- AWS ACM.**
- (Correct)**
- AWS WAF.**
- Amazon GuardDuty.**
- Amazon Detective.**

Question 7:

Skipped

What is one benefit and one drawback of buying a reserved EC2 instance? (Select TWO)

-

Reserved instances provide a significant discount compared to on-demand instances.

(Correct)

-

There is no additional charge for using dedicated instances.

-

Instances can be shut down by AWS at any time with no notification.

-

Reserved instances are best suited for periodic workloads.

-

Reserved instances require at least a one-year pricing commitment .

(Correct)

Question 8:

Skipped

According to best practices which of the below options is best suited for processing a large number of binary files?

-

Vertically scaling RDS instances.

-

Running RDS instances in parallel.

(Correct)

-

Vertically scaling EC2 instances.

-

Running EC2 instances in parallel.

Question 9:

Skipped

Data security is one of the top priorities of AWS. How does AWS deal with old storage devices that have reached the end of their useful life?

-

AWS sells the old devices to other hosting providers.

-

AWS sends the old devices for remanufacturing.

-

AWS destroys the old devices in accordance with industry-standard practices.

(Correct)

-

AWS stores the old devices in a secure place.

Question 10:

Skipped

Which of the following can be used to enable the Virtual Multi-Factor Authentication? (Choose TWO)

-

Amazon Virtual Private Cloud.

-

Amazon SNS.

-

AWS CLI.

(Correct)

-

Amazon Connect.

-

AWS Identity and Access Management (IAM).

(Correct)

Question 11:

Skipped

Which of the following are examples of AWS-managed databases? (Choose TWO)

-

Amazon CloudSearch.

-

MySQL on Amazon EC2.

-

Microsoft SQL Server on Amazon EC2.

-

Amazon RDS for MySQL.

(Correct)

-

Amazon Neptune.

(Correct)

Question 12:

Skipped

Which of the following can be used to protect data at rest on Amazon S3? (Choose TWO)

-

Permissions.

(Correct)

-

Conversion.

-

Deduplication.

-

Decryption.

-

Versioning.

(Correct)

Question 13:

Skipped

How does AWS notify customers about security and privacy events pertaining to AWS services?

-

Using the AWS ACM service.

-

Using the AWS Management Console.

-

Using Compliance Resources.

-

Using Security Bulletins.

(Correct)

Question 14:

Skipped

What is the framework created by AWS Professional Services that helps organizations design a road map to successful cloud adoption?

-

Amazon EFS.

-

AWS WAF.

-

AWS CAF.

(Correct)

-

AWS Secrets Manager.

Question 15:

Skipped

Why does every AWS Region contain multiple Availability Zones?

-

Multiple Availability Zones results in lower total cost compared to deploying in a single Availability Zone.

-

Multiple Availability Zones within a region increases the storage capacity available in that region.

-

Multiple Availability Zones allows you to build resilient and highly available architectures.

(Correct)

-

Multiple Availability Zones allows for data replication and global reach.

Question 16:

Skipped

Which of the following approaches will help you eliminate human error and automate the process of creating and updating your AWS environment?

-

Use code to provision and operate your AWS infrastructure.

(Correct)

-

Use Software test automation tools.

-

Use AWS CodeDeploy to build and automate your AWS environment.

-

Migrate all of your applications to a dedicated host.

Question 17:

Skipped

Which AWS Service offers an NFS file system that can be mounted concurrently from multiple EC2 instances?

-

AWS Storage Gateway.

-

Amazon Simple Storage Service.

-

Amazon Elastic Block Store.

-

Amazon Elastic File System.

(Correct)

Question 18:

Skipped

Which of the below options is a best practice for making your application on AWS highly available?

-

Rewrite the application code to handle all incoming requests.

-

Deploy the application code on at least two servers in the same Availability Zone.

-

Use Elastic Load Balancing (ELB) across multiple AWS Regions .

-

Deploy the application to at least two Availability Zones.

(Correct)

Question 19:

Skipped

For managed services like Amazon DynamoDB which of the below is AWS responsible for? (Choose TWO)

-

Operating system maintenance.

(Correct)

-

Creating access policies.

-

Protecting credentials.

-

Patching the database software.

(Correct)

-

Logging access activity.

Question 20:

Skipped

An external auditor is requesting a log of all accesses to the AWS resources in the company's account. Which of the following services will provide the auditor with the requested information?

- AWS CloudTrail.
(Correct)
- AWS CloudFormation.
- Amazon CloudFront.
- Amazon CloudWatch.

Question 21:

Skipped

Which of the following AWS offerings are serverless services? (Choose TWO)

- AWS Lambda.
(Correct)
- Amazon EMR.
- Amazon RDS.
- Amazon EC2.
- Amazon DynamoDB.

(Correct)

Question 22:

Skipped

Which AWS service can be used to send promotional text messages (SMS) to more than 200 countries worldwide?

-

Amazon Simple Notification Service (Amazon SNS).

(Correct)

-

Amazon Simple Storage Service (Amazon S3).

-

Amazon Simple Email Service (Amazon SES).

-

Amazon Simple Queue Service (Amazon SQS).

Question 23:

Skipped

What is the most cost-effective purchasing option for running a set of EC2 instances that must always be available for a period of two months?

-

Reserved Instances - All Upfront.

-

Reserved Instances - No Upfront.

-

On-Demand Instances.

(Correct)

-

Spot Instances.

Question 24:

Skipped

Which of the following statements describes the AWS Cloud's agility?

- AWS provides customizable hardware at the lowest possible cost.
 - AWS allows you to pay upfront to reduce costs.
 - AWS allows you to provision resources in minutes .
- (Correct)**
- AWS allows you to host your applications in multiple regions around the world.

Question 25:

Skipped

Which AWS Service allows customers to download AWS SOC & PCI reports?

- AWS Well-Architected Tool.
 - Amazon Chime.
 - AWS Artifact.
- (Correct)**
- AWS Glue.

Question 26:

Skipped

Which of the below options is true of Amazon Cloud Directory?

-

Amazon Cloud Directory allows users to access AWS with their existing Active Directory credentials.

-

Amazon Cloud Directory allows the organization of hierarchies of data across multiple dimensions.

(Correct)

-

Amazon Cloud Directory allows for registration and management of domain names.

-

Amazon Cloud Directory enables the analysis of video and data streams in real time.

Question 27:

Skipped

Which of the following Amazon RDS features facilitates offloading of database read activity?

-

Read Replicas.

(Correct)

-

Multi-AZ Deployments.

-

Automated Backups.

-

Database Snapshots.

Question 28:

Skipped

As part of the AWS Migration Acceleration Program (MAP) what does AWS provide to accelerate Enterprise adoption of AWS? (Choose TWO)

- AWS Professional Services.
(Correct)
- Amazon Athena.
- Amazon PinPoint.
- AWS Partners.
(Correct)
- AWS Artifact.

Question 29:

Skipped

A company is developing an application that will leverage facial recognition to automate photo tagging. Which AWS Service should the company use for facial recognition?

- AWS IAM.
- Amazon Rekognition.
(Correct)
- Amazon Comprehend.
- Amazon Polly.

Question 30:

Skipped

Which AWS Service allows customers to create a template that programmatically defines policies and configurations of all AWS resources as code and so that the same template can be reused among multiple projects?

-

AWS Config.

-

AWS Auto Scaling.

-

AWS CloudFormation.

(Correct)

-

AWS CloudTrail.

Question 31:

Skipped

Which AWS Group assists customers in achieving their desired business outcomes?

-

AWS Concierge Support Team.

-

AWS Trusted Advisor.

-

AWS Security Team.

-

AWS Professional Services.

(Correct)

Question 32:

Skipped

Which of the following are use cases for Amazon S3? (Choose TWO)

-

A media store for the CloudFront service.

(Correct)

-

Hosting static websites.

(Correct)

-

Cost-effective database and log storage.

-

Hosting websites that require sustained high CPU utilization.

-

Processing data streams at any scale.

Question 33:

Skipped

Which of the following should be taken into account when performing a TCO analysis regarding the costs of running an application on AWS VS on-premises? (Choose TWO)

-

Amazon EBS computing power.

-

Software architecture.

-

Labor and IT costs.

(Correct)

-

Cooling and power consumption.

(Correct)

-

Software compatibility.

Question 34:

Skipped

Which of the following is used to control network traffic in AWS? (Choose TWO)

-

Security Groups.

(Correct)

-

IAM Policies.

-

Network Access Control Lists (NACLs).

(Correct)

-

Key Pairs.

-

Access Keys.

Question 35:

Skipped

A company is developing a mobile application and wants to allow users to use their Amazon Apple Facebook or Google identities to authenticate to the application.

Which AWS Service should the company use for this purpose?

-

Amazon Cognito.

(Correct)

-
- **Amazon GuardDuty.**
-
- **Amazon Personalize.**
-
- **AWS IAM.**

Question 36:

Skipped

Which support plan includes AWS Support Concierge Service?

-
- **Standard Support.**
-
- **Business Support.**
-
- **Premium Support.**
-
- **Enterprise Support.**

(Correct)

Question 37:

Skipped

Availability Zones within a Region are connected over low-latency links. Which of the following is a benefit of these links?

-
- **Automate the process of provisioning new compute resources.**
-
- **Create private connection to your data center.**
-

Make synchronous replication of your data possible.

(Correct)

-

Achieve global high availability.

Question 38:

Skipped

Which AWS Service is used to manage user permissions?

-

AWS IAM.

(Correct)

-

AWS Support.

-

Security Groups.

-

Amazon ECS.

Question 39:

Skipped

Which AWS service or feature is used to manage the keys used to encrypt customer data?

-

Amazon Macie.

-

AWS Service Control Policies (SCPs).

-

AWS KMS.

(Correct)

-

Multi-Factor Authentication (MFA).

Question 40:

Skipped

A company is seeking to deploy an existing .NET application onto AWS as quickly as possible. Which AWS Service should the customer use to achieve this goal?

-

Amazon SNS.

-

AWS Trusted Advisor.

-

AWS Systems Manager.

-

AWS Elastic Beanstalk.

(Correct)

Question 41:

Skipped

How do ELBs improve the reliability of your application?

-

By ensuring that only healthy targets receive traffic.

(Correct)

-

By replicating data to multiple availability zones.

-

By distributing traffic across multiple S3 buckets.

-

By creating database Read Replicas.

Question 42:

Skipped

What is the AWS tool that can help a company visualize their AWS spending in the last few months?

-

AWS Pricing Calculator.

(Correct)

-

AWS Cost Explorer.

-

AWS Budgets.

-

AWS Consolidated Billing.

Question 43:

Skipped

Which of the following is NOT a factor when estimating the costs of Amazon EC2?
(Choose TWO)

-

Number of security groups.

(Correct)

-

Number of Hosted Zones.

(Correct)

-

Allocated Elastic IP Addresses.

-

Number of instances.

-

The amount of time the instances will be running.

Question 44:

Skipped

Which AWS service or feature can be used to call AWS Services from different programming languages?

-

AWS Command Line Interface.

-

AWS Software Development Kit.

(Correct)

-

AWS Management Console.

-

AWS CodeDeploy.

Question 45:

Skipped

Which of the following is a type of MFA device that customers can use to protect their AWS resources?

-

U2F Security Key.

(Correct)

-

AWS Key Pair.

-

AWS Access Keys.

-

AWS CloudHSM.

Question 46:

Skipped

What is the AWS Compute service that executes code only when triggered by events?

-

Amazon CloudWatch.

-

AWS Lambda.

(Correct)

-

Amazon EC2.

-

AWS Transit Gateway.

Question 47:

Skipped

What is the AWS IAM feature that provides an additional layer of security on top of user-name and password authentication?

-

MFA.

(Correct)

-

Access Keys.

-

Key Pair.

-

SDK.

Question 48:

Skipped

There is a requirement to grant a DevOps team full administrative access to all resources in an AWS account. Who can grant them these permissions?



AWS technical account manager.



AWS cloud support engineers.



AWS account owner.

(Correct)



AWS security team.

Question 49:

Skipped

TYMO Cloud Corp is looking forward to migrating their entire on-premises data center to AWS. What tool can they use to perform a cost-benefit analysis of moving to the AWS Cloud?



AWS TCO Calculator.

(Correct)



AWS Cost Explorer.



AWS Pricing Calculator.



AWS Budgets.

Question 50:

Skipped

What is the AWS Support feature that allows customers to manage support cases programmatically?

-

AWS Support API.

(Correct)

-

AWS Personal Health Dashboard.

-

AWS Trusted Advisor.

-

AWS Operations Support.

Question 51:

Skipped

**Which of the following AWS services scale automatically without your intervention?
(Choose TWO)**

-

AWS Lambda.

(Correct)

-

Amazon S3.

(Correct)

-

Amazon EMR.

-

Amazon EBS.

-

Amazon EC2.

Question 52:

Skipped

What are the benefits of using DynamoDB? (Choose TWO)

-

Offers extremely low (single-digit millisecond) latency.

(Correct)

-

Provides resizable instances to match the current demand.

-

Supports the most popular NoSQL database engines such as CouchDB and MongoDB.

-

Supports both relational and non-relational data models.

-

Automatically scales to meet required throughput capacity.

(Correct)

Question 53:

Skipped

Which of the following factors should be considered when determining the region in which AWS Resources will be deployed? (Choose TWO)

-

Geographic proximity to the company's location.

-

The planned number of VPCs.

-

The AWS Region's security level.

- Data sovereignty.

(Correct)

- Cost.

(Correct)

Question 54:

Skipped

Which AWS Service provides the current status of all AWS Services in all AWS Regions?

- AWS Personal Health Dashboard.

- Amazon CloudWatch.

- AWS Management Console.

- AWS Service Health Dashboard.

(Correct)

Question 55:

Skipped

A company needs to migrate their website from on-premises to AWS. Security is a major concern for them so they need to host their website on hardware that is NOT shared with other AWS customers. Which of the following EC2 instance options meets this requirement?

- Spot instances.

On-demand instances.

-

Dedicated instances.

(Correct)

-

Reserved instances.

Question 56:

Skipped

A company is planning to use Amazon S3 and Amazon CloudFront to distribute its video courses globally. What tool can the company use to estimate the costs of these services?

-

AWS Pricing Calculator.

(Correct)

-

AWS Budgets.

-

AWS Cost & Usage Report.

-

AWS Cost Explorer.

Question 57:

Skipped

Which of the following is true regarding the AWS availability zones and edge locations?

-

An availability zone exists within an edge location to distribute content globally with low latency.

-

An Availability Zone is a geographic location where AWS provides multiple physically separated and isolated edge locations.

-

An AWS Availability Zone is an isolated location within an AWS Region however edge locations are located in multiple cities worldwide.

(Correct)

-

Edge locations are located in separate Availability Zones worldwide to serve global customers.

Question 58:

Skipped

Which of the following AWS Services helps with planning application migration to the AWS Cloud?

-

AWS Migration Hub.

-

AWS Application Discovery Service.

(Correct)

-

AWS Snowball Migration Service.

-

AWS DMS.

Question 59:

Skipped

What is the minimum level of AWS support that provides 24x7 access to technical support engineers via phone and chat?

-

Basic Support.

-

Developer Support.

-

Business Support.

(Correct)

-

Enterprise Support.

Question 60:

Skipped

You have just hired a skilled sys-admin to join your team. As usual you have created a new IAM user for him to interact with AWS services. On his first day you ask him to create snapshots of all existing Amazon EBS volumes and save them in a new Amazon S3 bucket. However the new member reports back that he is unable to create neither EBS snapshots nor S3 buckets. What might prevent him from doing this simple task?

-

EBS and S3 are accessible only to the root account owner.

-

There is a non-explicit deny to all new users.

(Correct)

-

There is not enough space in S3 to store the snapshots.

-

The systems administrator must contact AWS Support first to activate his new IAM account.

Question 61:

Skipped

A company is using EC2 Instances to run their e-commerce site on the AWS platform. If the site becomes unavailable the company will lose a significant amount of money for each minute the site is unavailable. Which design principle should the company use to minimize the risk of an outage?

-

Fault Tolerance.

(Correct)

-

Least Privilege.

-

Multi-threading.

-

Pilot Light.

Question 62:

Skipped

A company has a web application that is hosted on a single EC2 instance and is approaching 100 percent CPU Utilization during peak loads. Rather than scaling the server vertically the company has decided to deploy three Amazon EC2 instances in parallel and to distribute traffic across the three servers. What AWS Service should the company use to distribute the traffic evenly?

-

Transit VPC.

-

AWS Global Accelerator.

-

AWS Application Load Balancer (ALB).

(Correct)

-

Amazon CloudFront.

Question 63:

Skipped

Which of the following activities supports the Operational Excellence pillar of the AWS Well-Architected Framework?

-

Using AWS CloudFormation to manage infrastructure as code.

(Correct)

-

Using AWS CloudTrail to record user activities.

-

Deploying an application in multiple Availability Zones.

-

Using AWS Trusted Advisor to find underutilized resources.

Question 64:

Skipped

Which of the following will help AWS customers save on costs when migrating their workloads to AWS?

-

Use servers instead of managed services.

-

Use AWS Outposts to run all workloads in a cost-optimized environment.

-

Use existing third-party software licenses on AWS.

(Correct)

-

Migrate production workloads to AWS edge locations instead of AWS Regions.

Question 65:

Skipped

One of the major advantages of using AWS is cost savings. What does AWS provide to reduce the cost of running Amazon EC2 instances?

-

Low-cost instance tagging.

- Low instance start-up fees.
- Low monthly instance maintenance costs.
- Per-second instance billing.

(Correct)

Question 66:

Skipped

Which AWS Service can be used to register a new domain name?

- AWS Config.
 - Amazon Route 53.
- (Correct)
- Amazon Personalize.
 - AWS KMS.

Question 67:

Skipped

Which of the following are true regarding the languages that are supported on AWS Lambda? (Choose TWO)

- Lambda doesn't support programming languages; it is a serverless compute service.
-

Lambda only supports Python and Node.js but third party plugins are available to convert code in other languages to these formats.

-

Lambda is AWS' proprietary programming language for microservices.

-

Lambda natively supports a number of programming languages such as Node.js Python and Java.

(Correct)

-

Lambda can support any programming language using an API.

(Correct)

Question 68:

Skipped

Which of the following services can be used to monitor the HTTP and HTTPS requests that are forwarded to Amazon CloudFront?

-

Amazon CloudWatch.

-

AWS Cloud9.

-

AWS CloudTrail.

-

AWS WAF.

(Correct)

Question 69:

Skipped

A customer spent a lot of time configuring a newly deployed Amazon EC2 instance. After the workload increases the customer decides to provision another EC2 instance with an identical configuration. How can the customer achieve this?

- By creating an AWS Config template from the old instance and launching a new instance from it.
- By creating an AMI from the old instance and (Correct) launching a new instance from it.
(Correct)
- By installing Aurora on EC2 and launching a new instance from it.
- By creating an EBS Snapshot of the old instance.

Question 70:

Skipped

A company plans to migrate a large amount of archived data to AWS. The archived data must be maintained for a period of 5 years and must be retrievable within 5 hours of a request. What is the most cost-effective AWS storage service to use?

- Amazon S3 Standard.
- Amazon EBS.
- Amazon S3 Glacier.
(Correct)
- Amazon EFS.

Question 71:

Skipped

Which of the below are responsibilities of the customer when using Amazon EC2? (Choose TWO)

-

Protecting sensitive data.

(Correct)

-

Setup and operation of managed databases.

-

Installing and configuring third-party software.

(Correct)

-

Maintaining consistent hardware components.

-

Patching of the underlying infrastructure.

Question 72:

Skipped

A company needs to track resource changes using the API call history. Which AWS service can help the company achieve this goal?

-

AWS CloudTrail.

-

AWS Config.

-

AWS CloudFormation.

-

Amazon CloudWatch.

(Correct)

Question 73:

Skipped

AWS recommends some practices to help organizations avoid unexpected charges on their bill. Which of the following is NOT one of these practices?

-

Deleting unused AutoScaling launch (Correct) configuration.

(Correct)

-

Deleting unused EBS volumes after terminating an EC2instance.

-

Releasing unused Elastic IPs after terminating an EC2instance.

-

Deleting unused Elastic Load Balancers.

Question 74:

Skipped

Which AWS Service can perform health checks on Amazon EC2 instances?

-

Amazon Aurora.

-

Amazon Chime.

-

AWS CloudFormation.

-

Amazon Route 53.

(Correct)

Question 75:

Skipped

An AWS customer has used one Amazon Linux instance for 2 hours 5 minutes and 9 seconds and one CentOS instance for 4 hours 23 minutes and 7 seconds. How much time will the customer be billed for?

- 3 hours for the Linux instance and 4 hours 23 minutes and 7 seconds for the CentOS instance.
- 2 hours 5 minutes and 9 seconds for the Linux instance and 4 hours 23 minutes and 7 seconds for the CentOS instance.
- 2 hours 5 minutes and 9 seconds for the Linux instance and 5 hours for the CentOS instance.
(Correct)
- 3 hours for the Linux instance and 5 hours for the CentOS instance.

Question 76:

Skipped

When granting permissions to applications running on Amazon EC2 instances which of the following is considered best practice?

- Store the required AWS credentials directly within the application code.
- Use temporary security credentials (IAM roles) instead of long-term access keys.
(Correct)
- Do nothing; Applications that run on Amazon EC2 instances do not need permission to interact with other AWS services or resources.
-

Generate new IAM access keys every time you delegate permissions.

Question 77:

Skipped

Your company requires a response time of less than 15 minutes from support interactions about their business-critical systems that are hosted on AWS if those systems go down. Which AWS Support Plan should this company use?

- AWS Developer Support.
- AWS Business Support.
- AWS Basic Support.
- AWS Enterprise Support.

(Correct)

Question 78:

Skipped

A customer is planning to migrate their Microsoft SQL Server databases to AWS. Which AWS Services can the customer use to run their Microsoft SQL Server database on AWS? (Choose TWO)

- Amazon Elastic Compute Cloud.
- **(Correct)** AWS Database Migration service (DMS).
- AWS Lambda.
-

Amazon RDS.

(Correct)

-

AWS Fargate.

Question 79:

Skipped

What are the capabilities of AWS X-Ray? (Choose TWO)

-

Automatically decouples application components.

-

Facilitates tracking of user requests to identify application issues.

(Correct)

-

Deploys applications to on-premises servers.

-

Deploys applications to Amazon EC2 instances.

-

Helps improve application performance.

(Correct)

Question 80:

Skipped

What are the benefits of implementing a tagging strategy for AWS resources?

(Choose TWO)

-

Track API calls in your AWS account.

-

Quickly identify resources that belong to a specific project.

(Correct)

-

Quickly identify software solutions on AWS.

-

Quickly identify deleted resources and their metadata.

-

Track AWS spending across multiple resources.

(Correct)

Question 81:

Skipped

Which design principles relate to performance efficiency in AWS? (Choose TWO)

-

Enable audit logging.

-

Apply security at all layers.

-

Build multi-region architectures to better serve global customers.

(Correct)

-

Use serverless architectures.

(Correct)

-

Implement strong Identity and Access controls.

Question 82:

Skipped

Which of the following allows you to create new RDS instances? (Choose TWO)

- AWS CodeDeploy.
- AWS Quick Starts.
- AWS Management Console.
(Correct)
- AWS CloudFormation.
(Correct)
- AWS DMS.

Question 83:

Skipped

A user has opened a "Production System Down" support case to get help from AWS Support after a production system disruption. What is the expected response time for this type of support case?

- 24 hours.
 - 15 minutes.
 - 12 hours.
 - One hour.
- (Correct)**

Question 84:

Skipped

Which of the following are types of AWS Identity and Access Management (IAM) identities? (Choose TWO)

-

IAM Policies.

-

AWS Resource Groups.

-

AWS Organizations.

-

IAM Users.

(Correct)

-

IAM Roles.

(Correct)

Question 85:

Skipped

Which of the following is a benefit of running an application in multiple Availability Zones?

-

Increases available compute capacity.

-

Increases the availability of your application.

(Correct)

-

Allows you to exceed AWS service limits.

-

Reduces application response time between servers and global users.

Question 86:

Skipped

Why do many startup companies prefer AWS over traditional on-premises solutions? (Choose TWO)

-

Using AWS they can reduce time-to-market by focusing on business activities rather than on building and managing data centers.

-

AWS allows them to pay later when their business succeed.

-

AWS removes the need to invest in operational expenditure.

-

Using AWS allows companies to replace large capital expenditure with low variable costs.

-

AWS can build complete data centers faster than any other Cloud provider.

(Correct)

Question 87:

Skipped

What features does AWS offer to help protect your data in the Cloud? (Choose TWO)

-

Access control.

(Correct)

-

Data encryption.

(Correct)

- **Unlimited storage.**
- **Physical MFA devices.**
- **Load balancing.**

Question 88:

Skipped

What is the benefit of using an API to access AWS Services?

- **It reduces the number of developers necessary.**
- **It reduces the time needed to provision AWS resources.**
- **It allows for programmatic management of AWS resources.**

(Correct)

Question 89:

Skipped

An organization has a legacy application designed using monolithic-based architecture. Which AWS Service can be used to decouple the components of the application?

- **Virtual Private Gateway.**
-

AWS Artifact.

-
- **Amazon CloudFront.**
-
- **Amazon SQS.**

(Correct)

Question 90:

Skipped

What does AWS Service Catalog provide?

-
- **It allows developers to deploy infrastructure on AWS using familiar programming languages.**
-
- **It simplifies organizing and governing commonly deployed IT services.**
-
- **It enables customers to quickly find descriptions and use cases for AWS services.**
-
- **It enables customers to explore the different catalogs of AWS services.**

Question 91:

Skipped

Which IAM entity can best be used to grant temporary access to your AWS resources?

-
- **IAM Groups.**
-
- **IAM Roles.**

(Correct)

- IAM Users.
- Key Pair.

Question 92:

Skipped

A company is seeking to better secure its AWS account from unauthorized access. Which of the below options can the customer use to achieve this goal?

-
- Restrict any API call made through SDKs or CLI.
-
- Set up two login passwords.
-
- Create one IAM account for each department in the company (Development QA Production) and share it across all staff in that department.
-
- Require Multi-Factor Authentication (MFA) (Correct) for all IAM User access.

(Correct)

Question 93:

Skipped

Which features are included in the AWS Business Support Plan? (Choose TWO)

-
- Access to Cloud Support Engineers via email only during business hours.
-
- 24x7 access to the TAM feature.
-

24x7 access to customer service.

(Correct)

-

Access to the Infrastructure Event Management (IEM) feature for additional fee.

(Correct)

-

Partial access to the core Trusted Advisor checks.

Question 94:

Skipped

What is the AWS service that provides five times the performance of a standard MySQL database?

-

Amazon Neptune.

-

Amazon DynamoDB.

-

Amazon Aurora.

(Correct)

-

Amazon Redshift.

Question 95:

Skipped

A company is planning to migrate a database with high read/write activity to AWS. What is the best storage option to use?

-

Amazon S3.

-

AWS Storage Gateway.

-
- **Amazon Glacier.**
-
- **Amazon EBS.**

(Correct)

Question 96:

Skipped

App development companies move their business to AWS to reduce time-to-market and improve customer satisfaction what are the AWS automation tools that help them deploy their applications faster? (Choose TWO)

- **Amazon Macie.**
 - **AWS CloudFormation.**
- (Correct)**
- **AWS Elastic Beanstalk.**
 - **AWS Migration Hub.**
 - **AWS IAM.**

Question 97:

Skipped

Which AWS service provides cost-optimization recommendations?

-

AWS X-Ray.

-
- **AWS Pricing Calculator.**
-
- **Amazon QuickSight.**
-
- **AWS Trusted Advisor.**

(Correct)

Question 98:

Skipped

Which of the following are advantages of using AWS as a cloud computing provider? (Choose TWO)

- **Eliminates the need to monitor servers and applications.**
 - **Manages all the compliance and auditing tasks.**
 - **Enables customers to trade their capital expenses for operational expenses.**
- (Correct)**
- **Eliminates the need to guess on infrastructure capacity needs.**
 - **Provides custom hardware to meet any specification.**

Question 99:

Skipped

Both AWS and traditional IT distributors provide a wide range of virtual servers to meet their customers' requirements. What is the name of these virtual servers in AWS?

- Amazon VPC.
(Correct)
- Amazon EBS Snapshots.
- Amazon EC2 Instances.
- AWS Managed Servers.

Question 100:

Skipped

Which of the following is NOT a characteristic of Amazon Elastic Compute Cloud (Amazon EC2)?

- Amazon EC2 is considered a Serverless Web Service.
- Amazon EC2 eliminates the need to invest in hardware upfront.
(Correct)
- Amazon EC2 can launch as many or as few virtual servers as needed.
- Amazon EC2 offers scalable computing.

Question 101:

Skipped

Which methods can be used by customers to interact with AWS Identity and Access Management (IAM)? (Choose TWO)

- **AWS CLI.**
(Correct)
- **AWS CodeCommit.**
- **AWS Network Access Control Lists.**
- **AWS Security Groups.**
- **AWS SDKs.**
(Correct)

Question 102:

Skipped

A developer needs to set up an SSL security certificate for a client's eCommerce website in order to use the HTTPS protocol. Which of the following AWS services can be used to deploy the required SSL server certificates? (Choose TWO)

-
- **AWS Data Pipeline.**
-
- **AWS ACM.**
(Correct)
-
- **Amazon Route 53.**
-

AWS Identity & Access Management.

(Correct)

-

AWS Directory Service.

Question 103:

Skipped

Which AWS Service helps enterprises extend their on-premises storage to AWS in a cost-effective manner?

-

Amazon EFS.

-

AWS Data Pipeline.

-

Amazon Aurora.

-

AWS Storage Gateway.

(Correct)

Question 104:

Skipped

What are the advantages of using Auto Scaling Groups for EC2 instances?

-

Auto Scaling Groups distributes application traffic across multiple Availability Zones to enhance performance.

-

Auto Scaling Groups scales EC2 instances across multiple regions to reduce latency for global users.

-

Auto Scaling Groups caches the most recent responses at global edge locations to reduce latency and improve performance.

-

Auto Scaling Groups scales EC2 instances in multiple Availability Zones to increase application availability and fault tolerance.

(Correct)

Question 105:

Skipped

Why would an organization decide to use AWS over an on-premises data center?

(Choose TWO)

-

Free technical support.

-

Cost Savings.

(Correct)

-

Elastic resources.

(Correct)

-

On-site visits for auditing.

-

Free commercial software licenses.

Question 106:

Skipped

What should you do if you see resources which you don't remember creating in the AWS Management Console? (Choose TWO)

-

Check the AWS CloudTrail logs and delete all IAM users that have access to your resources.

- Stop all running services and open an investigation.
- Change your AWS root account password and the passwords of any IAM users.
(Correct)
- Open an investigation and delete any potentially compromised IAM users.
(Correct)
- Give your root account password to AWS Support so that they can assist in troubleshooting and securing the account.

Question 107:

Skipped

Which of the following AWS services can help you perform security analysis and regulatory compliance auditing? (Choose TWO)

- Amazon Inspector.
(Correct)
- AWS Virtual Private Gateway.
- AWS Config.
(Correct)
- Amazon ECS.
-

AWS Batch.

Question 108:

Skipped

Which of the following are examples of the customer's responsibility to implement "security IN the cloud"? (Choose TWO)

-

Creating a new hypervisor .

-

Building a schema for an application .

(Correct)

-

File system encryption.

(Correct)

-

Patch management of the underlying infrastructure.

-

Replacing physical hardware .

Question 109:

Skipped

A company wants to grant a new employee long-term access to manage Amazon DynamoDB databases. Which of the following is a recommended best-practice when granting these permissions?

-

Create an IAM role and attach a policy with Amazon DynamoDB access permissions.

-

Create an IAM user and attach a policy with Amazon DynamoDB access permissions.

(Correct)

- Create an IAM role and attach a policy with Administrator access permissions.
- Create an IAM user and attach a policy with Administrator access permissions.

Question 110:

Skipped

A company uses AWS Organizations to manage all of its AWS accounts. Which of the following allows the company to restrict what services and actions are allowed in each individual account?

- IAM policies.
- AWS Service Control Policies (SCPs).
(Correct)
- IAM Principals.
- AWS Fargate.

Question 111:

Skipped

A customer is seeking to store objects in their AWS environment and to make those objects downloadable over the internet. Which AWS Service can be used to accomplish this?

- Amazon EBS.
- Amazon S3.

(Correct)

- Amazon Instance Store.
- Amazon EFS.

Question 112:

Skipped

A company's AWS workflow requires that it periodically perform large-scale image and video processing jobs. The customer is seeking to minimize cost and has stated that the amount of time it takes to process these jobs is not critical but that cost minimization is the most important factor in designing the solution. Which EC2 instance class is best suited for this processing?

-
- EC2 Reserved Instances - No Upfront.
- EC2 Reserved Instances - All Upfront.
- EC2 Spot Instances.
- EC2 On-Demand Instances.

Question 113:

Skipped

You decide to buy a reserved instance for a term of one year. Which option provides the largest total discount?

-
- Partial up-front reservation.
- All up-front reservation.

(Correct)

- No up-front reservation.
- All reserved instance payment options provide the same discount level.

Question 114:

Skipped

What is the AWS' recommendation regarding access keys?

- Rotate them regularly.
- (Correct) Delete all access keys and use passwords instead.
- Save them within your application code.
- Only share them with trusted people.

Question 115:

Skipped

Which AWS Service provides integration with Chef to automate the configuration of EC2 instances?

- AWS OpsWorks.
- (Correct) AutoScaling.
-

AWS CloudFormation.

-

AWS Config.

Question 116:

Skipped

A company is migrating a web application to AWS. The application's compute capacity is continually utilized throughout the year. Which of the below options offers the company the most cost-effective solution?

-

Spot Instances.

-

Dedicated Hosts.

-

Reserved Instances.

(Correct)

-

On-demand Instances.

Question 117:

Skipped

A company has developed a media transcoding application in AWS. The application is designed to recover quickly from hardware failures. Which one of the following types of instance would be the most cost-effective choice to use?

-

Reserved instances.

-

Spot Instances.

(Correct)

-

On-Demand instances.

-

Dedicated instances.

Question 118:

Skipped

Which of the following are factors in determining the appropriate database technology to use for a specific workload? (Choose TWO)

-

Software bugs.

-

The number of reads and writes per second.

(Correct)

-

The nature of the queries.

(Correct)

-

Availability Zones.

-

Data sovereignty.

Question 119:

Skipped

A key practice when designing solutions on AWS is to minimize dependencies between components so that the failure of a single component does not impact other components. What is this practice called?

-

Loosely coupling.

(Correct)

-

Elastic coupling.

-

Scalable coupling.

-

Tightly coupling.

Question 120:

Skipped

When running a workload in AWS the customer is NOT responsible for: (Select TWO)

-

Running penetration tests.

-

Data center operations.

(Correct)

-

Reserving capacity.

-

Infrastructure security.

(Correct)

-

Auditing and regulatory compliance.

Question 121:

Skipped

A company is planning to migrate an application from Amazon EC2 to AWS Lambda to use a serverless architecture. Which of the following will be the responsibility of AWS after migration? (Choose TWO)

-

Data management.

- Access control.
- Operating system maintenance.
(Correct)
- Capacity management.
(Correct)
- Application management.

Question 122:

Skipped

How can AWS customers track and avoid over-spending on underutilized reserved instances?

- Customers can use Amazon CloudTrail to automatically check for unused reservations and get recommendations to reduce their bill.
- Customers can use the AWS Budgets service to track the reserved instances usage and set up alert notifications when their utilization drops below the threshold that they define.
(Correct)
- Customers can add all AWS accounts to an AWS Organization enable Consolidated Billing and turn off Reserved Instance sharing.
- Customers can use Amazon Neptune to track and analyze their usage patterns detect underutilized reserved instances and then sell them on the Amazon EC2 Reserved Instance Marketplace.

Question 123:

Skipped

The TCO gap between AWS infrastructure and traditional infrastructure has widened over the recent years. Which of the following could be the reason for that?

- - AWS secures AWS resources at no additional charge.**
 -
 - AWS continues to lower the cost of cloud computing for its customers.**
- (Correct)
- - AWS automates all infrastructure operations so customers save more on human resources costs.**
 -
 - AWS helps customers invest more in capital expenditures.**

Question 124:

Skipped

What are AWS shared controls?

-
- Controls that a customer inherits from AWS.**
-
- Controls that are solely the responsibility of the customer based on the application they are deploying within AWS services.**
-
- Controls that the customer and AWS collaborate together upon to secure the infrastructure.**
-
- Controls that apply to both the infrastructure layer and customer layers.**

(Correct)

Question 125:

Skipped

What is the connectivity option that uses Internet Protocol Security (IPSec) to establish encrypted connectivity between an on-premises network and the AWS Cloud?

- Internet Gateway.
- AWS Site-to-Site VPN. **(Correct)**
- AWS Direct Connect.
- AWS IQ.

Question 126:

Skipped

What are the benefits of using the Amazon Relational Database Service? (Choose TWO)

- Supports the document and key-value data structure.
- Complete control over the underlying host.
- Resizable compute capacity. **(Correct)**
- Lower administrative burden. **(Correct)**

-

Scales automatically to larger or smaller instance types.

Question 127:

Skipped

A company has discovered that multiple S3 buckets were deleted but it is unclear who deleted the buckets. Which of the following can the company use to determine the identity that deleted the buckets?

-

SQS logs.

-

CloudTrail logs.

(Correct)

-

SNS logs.

-

CloudWatch Logs.

Question 128:

Skipped

A customer is planning to move billions of images and videos to be stored on Amazon S3. The customer has approximately 60 Petabytes of data to move. Which of the following AWS Services is the best choice to transfer the data to AWS?

-

S3 Transfer Acceleration.

(Correct)

-

Snowmobile.

-

Snowball.

-

Amazon VPC.

Question 129:

Skipped

You are running a financial services web application on AWS. The application uses a MySQL database to store the data. Which of the following AWS services would improve the performance of your application by allowing you to retrieve information from fast in-memory caches?

-

Amazon ElastiCache.

(Correct)

-

Amazon EFS.

-

DAX.

-

Amazon Neptune.

Question 130:

Skipped

A company has hundreds of VPCs in multiple AWS Regions worldwide. What service does AWS offer to simplify the connection management among the VPCs?

-

VPC Peering.

-

AWS Transit Gateway.

(Correct)

-

Amazon Connect.



Security Groups.

Continue
Retake test

Which service is used to ensure that messages between software components are not lost if one or more components fail?

-
- Amazon SES.
-
- AWS Direct Connect.
-
- Amazon SQS.
- (Correct)**
-
- Amazon Connect.

Question 2:

Skipped

A company is developing a new application using a microservices framework. The new application is having performance and latency issues. Which AWS Service should be used to troubleshoot these issues?

-
- AWS CodePipeline.
-
- Amazon Inspector.
-
- AWS X-Ray.
- (Correct)**
-
- AWS CloudTrail.

Question 3:

Skipped

Hundreds of thousands of DDoS attacks are recorded every month worldwide. What service does AWS provide to help protect AWS Customers from these attacks? (Choose TWO)

- AWS Config.
- AWS KMS.
- AWS Shield. **(Correct)**
- Amazon Cognito.
- AWS WAF. **(Correct)**

Question 4:

Skipped

AWS has created a large number of Edge Locations as part of its Global Infrastructure. Which of the following is NOT a benefit of using Edge Locations?

- Edge locations are used by CloudFront to cache the most recent responses.
- Edge locations are used by CloudFront to distribute traffic across multiple instances to reduce latency. **(Correct)**
- Edge locations are used by CloudFront to distribute content to global users with low latency.

-

Edge locations are used by CloudFront to improve your end users' experience when uploading files.

Question 5:

Skipped

As part of the Enterprise support plan who is the primary point of contact for ongoing support needs?

-

AWS Identity and Access Management (IAM) user.

-

Infrastructure Event Management (IEM) engineer.

(Correct)

-

Technical Account Manager (TAM).

(Correct)

-

AWS Consulting Partners.

Question 6:

Skipped

A startup company is operating on limited funds and is extremely concerned about cost overruns. Which of the below options can be used to notify the company when their monthly AWS bill exceeds \$2000? (Choose TWO)

-

Configure the Amazon Simple Email Service to send billing alerts to their email address on a daily basis.

-

Setup a CloudWatch billing alarm that triggers an SNS notification when the threshold is exceeded.

(Correct)

- Configure AWS CloudTrail to automatically delete all AWS resources when the threshold is exceeded.
- Configure the AWS Budgets Service to alert the company when the threshold is exceeded.
(Correct)
- Configure the Amazon Connect Service to alert the company when the threshold is exceeded.

Question 7:

Skipped

Which service provides DNS in the AWS cloud?

- Amazon CloudFront.
-
- Amazon EMR.
-
- AWS Config.
-
- Route 53.

(Correct)

Question 8:

Skipped

A company has created a solution that helps AWS customers improve their architectures on AWS. Which AWS program may support this company?

- APN Consulting Partners.

(Correct)

-

APN Technology Partners.

-

AWS TAM.

-

AWS Professional Services.

Question 9:

Skipped

What does Amazon ElastiCache provide?

-

A domain name system in the cloud.

-

An Ehcache compatible in-memory data store.

-

In-memory caching for read-heavy applications.

(Correct)

-

An online software store that allows Customers to launch pre-configured software with just few clicks.

Question 10:

Skipped

Which of the following activities may help reduce your AWS monthly costs?

-

Enabling Amazon EC2 Auto Scaling for all of your workloads.

(Correct)

-

Using the AWS Network Load Balancer (NLB) to load balance the incoming HTTP requests.

-

Deploying your AWS resources across multiple Availability Zones.

-

Removing all of your Cost Allocation Tags.

Question 11:

Skipped

Using Amazon EC2 falls under which of the following cloud computing models?

-

IaaS.

(Correct)

-

PaaS.

-

IaaS & SaaS.

-

SaaS.

Question 12:

Skipped

Which of the following services can help protect your web applications from SQL injection and other vulnerabilities in your application code?

-

Amazon Aurora.

-

AWS IAM.

-

AWS WAF.

(Correct)

-

Amazon Cognito.

Question 13:

Skipped

You have AWS Basic support and you have discovered that some AWS resources are being used maliciously and those resources could potentially compromise your data. What should you do?

-

Contact the AWS Abuse team.

(Correct)

-

Contact the AWS Customer Service team.

-

Contact the AWS Concierge team.

-

Contact the AWS Security team.

Question 14:

Skipped

What is the AWS service that performs automated network assessments of Amazon EC2 instances to check for vulnerabilities?

-

Amazon Kinesis.

-

AWS Network Access Control Lists.

-

Security groups.

-

Amazon Inspector.

(Correct)

Question 15:

Skipped

Which of the following services allows you to run containerized applications on a cluster of EC2 instances?

-

Amazon ECS.

(Correct)

-

AWS Cloud9.

-

AWS Personal Health Dashboard.

-

AWS Data Pipeline.

Question 16:

Skipped

What is the primary storage service used by Amazon RDS database instances?

-

Amazon EBS.

(Correct)

-

Amazon Glacier.

-

Amazon EFS.

-

Amazon S3.

Question 17:

Skipped

According to the AWS Acceptable Use Policy which of the following statements is true regarding penetration testing of EC2 instances?

- - Penetration testing is not allowed in AWS.**
 -
 - Penetration testing can be performed by the customer on their own instances without prior authorization from AWS.**
- (Correct)**
- - The AWS customers are only allowed to perform penetration testing on services managed by AWS.**
 -
 - Penetration testing is performed automatically by AWS to determine vulnerabilities in your AWS infrastructure.**

Question 18:

Skipped

What is the AWS service\feature that takes advantage of Amazon CloudFront's globally distributed edge locations to transfer files to S3 with higher upload speeds?

- - AWS Snowmobile.**
 -
 - AWS Snowball.**
 -
 - S3 Transfer Acceleration.**
- (Correct)**

-

AWS WAF.

Question 19:

Skipped

Under the Shared Responsibility Model which of the following controls do customers fully inherit from AWS? (Choose TWO)

-

Awareness & Training.

-

Patch management controls.

-

Database controls.

-

Environmental controls.

(Correct)

-

Physical controls.

(Correct)

Question 20:

Skipped

A company has a large amount of structured data stored in their on-premises data center. They are planning to migrate all the data to AWS what is the most appropriate AWS database option?

-

Amazon ElastiCache.

-

Amazon DynamoDB.

-

Amazon SNS.

-

Amazon RDS.

(Correct)

Question 21:

Skipped

Which S3 storage class is best for data with unpredictable access patterns?

-

Amazon S3 Standard.

-

Amazon S3 Glacier Flexible Retrieval.

-

Amazon S3 Standard-Infrequent Access.

-

Amazon S3 Intelligent-Tiering.

(Correct)

Question 22:

Skipped

Which of the following will impact the price paid for an EC2 instance? (Choose TWO)

-

Load balancing.

(Correct)

-

The Availability Zone where the instance is provisioned.

-

Number of private IPs.

-

Number of buckets.

Question 23:

Skipped

What are the connectivity options that can be used to build hybrid cloud architectures? (Choose TWO)

-

AWS Direct Connect.

(Correct)

-

AWS CloudTrail.

-

AWS Cloud9.

-

AWS Artifact.

-

AWS VPN.

(Correct)

Question 24:

Skipped

A company is planning to host an educational website on AWS. Their video courses will be streamed all around the world. Which of the following AWS services will help achieve high transfer speeds?

-

AWS CloudFormation.

-

Amazon CloudFront.

(Correct)

-

Amazon Kinesis Video Streams.

-

Amazon SNS.

Question 25:

Skipped

Select TWO examples of the AWS shared controls.

-

Configuration Management.

(Correct)

-

VPC Management.

-

IAM Management.

-

Patch Management.

(Correct)

-

Data Center operations.

Question 26:

Skipped

Your company is designing a new application that will store and retrieve photos and videos. Which of the following services should you recommend as the underlying storage mechanism?

-

Amazon EBS.

-

Amazon S3.

(Correct)

-

Amazon Instance store.

-

Amazon SQS.

Question 27:

Skipped

Under the shared responsibility model which of the following is the responsibility of AWS?

-

Server-side encryption.

-

Filtering traffic with Security Groups.

-

Client-side encryption.

-

Configuring infrastructure devices.

(Correct)

Question 28:

Skipped

Where can you store files in AWS? (Choose TWO)

-

Amazon EFS.

(Correct)

-

Amazon EBS.

(Correct)

-

Amazon SNS.

-

Amazon ECS.

-

Amazon EMR.

Question 29:

Skipped

Which of the following are examples of AWS-Managed Services where AWS is responsible for the operational and maintenance burdens of running the service? (Choose TWO)

-

Amazon Elastic Compute Cloud.

-

AWS IAM.

-

Amazon VPC.

-

Amazon Elastic MapReduce.

(Correct)

-

Amazon DynamoDB.

(Correct)

Question 30:

Skipped

Jessica is managing an e-commerce web application in AWS. The application is hosted on six EC2 instances. One day three of the instances crashed; but none of her customers were affected. What has Jessica done correctly in this scenario?

-

She has properly built a scalable system.

-

She has properly built a fault tolerant system.

(Correct)

-

She has properly built an elastic system.

-

She has properly built an encrypted system.

Question 31:

Skipped

Which of the following are important design principles you should adopt when designing systems on AWS? (Choose TWO)

-

Automate wherever possible.

(Correct)

-

Always choose to pay as you go.

-

Treat servers as fixed resources.

-

Remove single points of failure.

(Correct)

-

Always use Global Services in your architecture rather than Regional Services.

Question 32:

Skipped

Using Amazon RDS falls under the shared responsibility model. Which of the following are customer responsibilities? (Choose TWO)

-

Performing backups.

-

Building the relational database schema.

(Correct)

-

Managing the database settings.

(Correct)

-

Patching the database software.

-

Installing the database software.

Question 33:

Skipped

Which of the following services will help businesses ensure compliance in AWS?

-

CloudFront.

-

CloudTrail.

(Correct)

-

CloudWatch.

-

CloudEndure Migration.

Question 34:

Skipped

An organization has a large number of technical employees who operate their AWS Cloud infrastructure. What does AWS provide to help organize them into teams and then assign the appropriate permissions for each team?

-

IAM user groups.

(Correct)

-

AWS Organizations.

-

IAM roles.

-

IAM users.

Question 35:

Skipped

What is the AWS service that enables AWS architects to manage infrastructure as code?

-

AWS CloudFormation.

(Correct)

-

AWS Config.

-

Amazon EMR.

-

Amazon SES.

Question 36:

Skipped

You have noticed that several critical Amazon EC2 instances have been terminated. Which of the following AWS services would help you determine who took this action?

-

AWS CloudTrail .

(Correct)

-

EC2 Instance Usage Report .

-

Amazon Inspector.

-

AWS Trusted Advisor .

Question 37:

Skipped

Which of the following aspects of security are managed by AWS? (Choose TWO)

-

Hardware patching.

(Correct)

-

VPC security.

-

Securing global physical infrastructure.

(Correct)

- **Access permissions.**
- **Encryption of EBS volumes.**

Question 38:

Skipped

The principle “design for failure and nothing will fail” is very important when designing your AWS Cloud architecture. Which of the following would help adhere to this principle? (Choose TWO)

- **Availability Zones.**
(Correct)
- **Elastic Load Balancing.**
(Correct)
- **Vertical Scaling.**
- **Penetration testing.**
- **Multi-factor authentication.**

Question 39:

Skipped

How can you view the distribution of AWS spending in one of your AWS accounts?

- **By using AWS Cost Explorer.**
(Correct)

- By using Amazon VPC console.
- By contacting the AWS Finance team.
- By contacting the AWS Support team.

Question 40:

Skipped

Which AWS Service can be used to establish a dedicated private network connection between AWS and your datacenter?

- Amazon Route 53.
- AWS Direct Connect.
(Correct)
- AWS Snowball.
- Amazon CloudFront.

Question 41:

Skipped

AWS allows users to manage their resources using a web based user interface. What is the name of this interface?

- AWS Management Console.
(Correct)
-

AWS CLI.

-

AWS API.

-

AWS SDK.

Question 42:

Skipped

In your on-premises environment you can create as many virtual servers as you need from a single template. What can you use to perform the same in AWS?

-

AMI.

(Correct)

-

EBS Snapshot.

-

An internet gateway.

-

IAM.

Question 43:

Skipped

What is the AWS data warehouse service that supports a high level of query performance on large amounts of datasets?

-

Amazon DynamoDB.

-

Amazon Kinesis.

-

Amazon Redshift.

(Correct)

-

Amazon RDS.

Question 44:

Skipped

A company is deploying a new two-tier web application in AWS. Where should the most frequently accessed data be stored so that the application's response time is optimal?

-

Amazon ElastiCache.

(Correct)

-

Amazon EBS volume.

-

AWS Storage Gateway.

-

AWS OpsWorks.

Question 45:

Skipped

Which statement best describes the operational excellence pillar of the AWS Well-Architected Framework?

-

The ability to manage datacenter operations more efficiently.

-

The ability to monitor systems and improve supporting processes and procedures.

(Correct)

-

The efficient use of computing resources to meet requirements.

-

The ability of a system to recover gracefully from failure.

Question 46:

Skipped

In order to implement best practices when dealing with a “Single Point of Failure” you should attempt to build as much automation as possible in both detecting and reacting to failure. Which of the following AWS services would help? (Choose TWO)

-

Amazon EC2.

-

Amazon Athen.

-

ECR.

-

Auto Scaling.

(Correct)

-

ELB.

Question 47:

Skipped

Your company is designing a new application that will store and retrieve photos and videos. Which of the following services should you recommend as the underlying storage mechanism?

-

Amazon S3.

(Correct)

- Amazon SQS.
- Amazon Instance store.
- Amazon EBS.

Question 48:

Skipped

What should you do in order to keep the data on EBS volumes safe? (Choose TWO)

- Store a backup daily in an external drive.
- Prevent any unauthorized access to AWS data centers.
- Regularly update firmware on EBS devices.
- Create EBS snapshots.
(Correct)
- Ensure that EBS data is encrypted at rest.
(Correct)

Question 49:

Skipped

You work as an on-premises MySQL DBA. The work of database configuration backups patching and DR can be time-consuming and repetitive. Your company has decided to migrate to the AWS Cloud. Which of the following can help save time on database maintenance so you can focus on data architecture and performance?

-

Amazon CloudWatch.

-

Amazon Redshift.

-

Amazon RDS.

(Correct)

-

Amazon DynamoDB.

Question 50:

Skipped

Which of the following AWS services can be used as a compute resource? (Choose TWO)

-

AWS Lambda.

(Correct)

-

Amazon EC2.

(Correct)

-

Amazon S3.

-

Amazon CloudWatch.

-

Amazon VPC.

Question 51:

Skipped

In the AWS Shared responsibility Model which of the following are the responsibility of the customer? (Choose TWO)

- **Configuring network access rules.**
(Correct)
- **Setting password complexity rules.**
(Correct)
- **Disk disposal.**
- **Patching the Network infrastructure.**
- **Controlling physical access to compute resources .**

Question 52:

Skipped

Your company is developing a critical web application in AWS and the security of the application is a top priority. Which of the following AWS services will provide infrastructure security optimization recommendations?

- **AWS Shield.**
- **AWS Trusted Advisor.**
(Correct)
- **AWS Management Console.**
-

AWS Secrets Manager.

Question 53:

Skipped

Which of the following does NOT belong to the AWS Cloud Computing models?

-
- **Platform as a Service (PaaS).**
-
- **Software as a Service (SaaS).**
-
- **Infrastructure as a Service (IaaS).**
-
- **Networking as a Service (NaaS).**

(Correct)

Question 54:

Skipped

What does AWS Snowball provide? (Choose TWO)

- **A catalog of third-party software solutions that customers need to build solutions and run their businesses.**
- **A hybrid cloud storage between on-premises environments and the AWS Cloud.**
- **Secure transfer of large amounts of data into and out of the AWS.**
- **An Exabyte-scale data transfer service that allows you to move extremely large amounts of data to AWS.**

(Correct)

-

Built-in computing capabilities that allow customers to process data locally.

(Correct)

Question 55:

Skipped

Which of the following can be described as a global content delivery network (CDN) service?

-

AWS VPN.

-

Amazon CloudFront.

(Correct)

-

AWS Direct Connect.

-

AWS Regions.

Question 56:

Skipped

What does the "Principle of Least Privilege" refer to?

-

IAM users should not be granted any permissions; to keep your account safe.

-

You should grant your users only the permissions they need when they need them and nothing more.

(Correct)

-

All IAM users should have at least the necessary permissions to access the core AWS services.

-

All trusted IAM users should have access to any AWS service in the respective AWS account.

Question 57:

Skipped

Which of the following is an example of horizontal scaling in the AWS Cloud?

-

Increasing the compute capacity of a single EC2 instance to address the growing demands of an application.

-

Replacing an existing EC2 instance with a larger more powerful one.

-

Adding more EC2 instances of the same size to handle an increase in traffic.

(Correct)

-

Adding more RAM capacity to an EC2 instance.

Question 58:

Skipped

What is the AWS service that provides you the highest level of control over the underlying virtual infrastructure?

-

Amazon DynamoDB.

-

Amazon Redshift.

-

Amazon RDS.

-

Amazon EC2.

(Correct)

Question 59:

Skipped

Which of the following services allows customers to manage their agreements with AWS?

-

AWS Artifact.

(Correct)

-

AWS Organizations.

-

AWS Certificate Manager.

-

AWS Systems Manager.

Question 60:

Skipped

A company has an AWS Enterprise Support plan. They want quick and efficient guidance with their billing and account inquiries. Which of the following should the company use?

-

AWS Operations Support.

-

AWS Health Dashboard.

-

AWS Support Concierge.

(Correct)

-

AWS Customer Service.

Question 61:

Skipped

What is the AWS service that provides a virtual network dedicated to your AWS account?

-

AWS Dedicated Hosts.

-

AWS Subnets.

-

Amazon VPC.

(Correct)

-

AWS VPN.

Question 62:

Skipped

**Which of the following can help protect your EC2 instances from DDoS attacks?
(Choose TWO)**

-

Security Groups.

(Correct)

-

AWS Batch.

-

AWS IAM.

-

Network Access Control Lists (Network ACLs).

(Correct)

-

AWS CloudHSM.

Question 63:

Skipped

You want to run a questionnaire application for only one day (without interruption) which Amazon EC2 purchase option should you use?

-

On-demand instances.

(Correct)

-

Spot instances.

-

Reserved instances.

-

Dedicated instances.

Question 64:

Skipped

What do you gain from setting up consolidated billing for five different AWS accounts under another master account?

-

The consolidated billing feature is just for organizational purpose.

-

Each AWS account gets five times the free-tier services capacity.

-

AWS services' costs will be reduced to half the original price.

-

Each AWS account gets volume discounts.

(Correct)

Question 65:

Skipped

Which of the following must an IAM user provide to interact with AWS services using the AWS Command Line Interface (AWS CLI)?

-

User name and password.

-

Access keys.

(Correct)

-

UserID.

-

Secret token.

Question 66:

Skipped

What is the AWS database service that allows you to upload data structured in key-value format?

-

Amazon Redshift.

-

Amazon Aurora.

-

Amazon DynamoDB.

(Correct)

-

Amazon RDS.

Question 67:

Skipped

Which of the following is one of the benefits of moving infrastructure from an on-premises data center to AWS?

-

AWS holds responsibility for managing customer applications.

-

Free support for all enterprise customers.

-

Reduced Capital Expenditure (CapEx).

(Correct)

-

Automatic data protection.

Question 68:

Skipped

Based on the AWS Shared Responsibility Model which of the following are the sole responsibility of AWS? (Choose TWO)

-

Configuring Access Control Lists (ACLs).

-

Creating hypervisors.

(Correct)

-

Hardware maintenance.

(Correct)

-

Installing software on EC2 instances.

-

Monitoring network performance.

Question 69:

Skipped

What is the AWS service that enables you to manage all of your AWS accounts from a single master account?

-

Amazon Config.

-

AWS WAF.

-

AWS Organizations.

(Correct)

-

AWS Trusted Advisor.

Question 70:

Skipped

What does AWS provide to deploy popular technologies - such as IBM MQ - on AWS with the least amount of effort and time?

-

Amazon CloudWatch.

-

AWS Quick Start reference deployments.

(Correct)

-

AWS OpsWorks.

-

Amazon Aurora.

Question 71:

Skipped

A company has moved to AWS recently. Which of the following AWS Services will help ensure that they have the proper security settings? (Choose TWO)

-

Amazon Inspector.

(Correct)

-

Concierge Support Team.

-

Amazon SNS.

-

AWS Trusted Advisor.

(Correct)

-

Amazon CloudWatch.

Question 72:

Skipped

A Japanese company hosts their applications on Amazon EC2 instances in the Tokyo Region. The company has opened new branches in the United States and the US users are complaining of high latency. What can the company do to reduce latency for the users in the US while minimizing costs?

-

Registering a new US domain name to serve the users in the US.

-

Applying the Amazon Connect latency-based routing policy.

-

Building a new data center in the US and implementing a hybrid model.

-

Deploying new Amazon EC2 instances in a Region located in the US.

(Correct)

Question 73:

Skipped

What are the benefits of having infrastructure hosted in AWS? (Choose TWO)

-

There is no need to worry about security.

-

Gaining complete control over the physical infrastructure.

-

All of the physical security and most of the data/network security are taken care of for you.

(Correct)

-

Increasing speed and agility.

(Correct)

-

Operating applications on behalf of customers.

Question 74:

Skipped

Savings Plans are available for which of the following AWS compute services? (Choose TWO)

-

AWS Batch.

-

Amazon Lightsail.

-

AWS Lambda.

(Correct)

-

AWS Outposts.

-

Amazon EC2.

(Correct)

Question 75:

Skipped

What are two advantages of using Cloud Computing over using traditional data centers? (Choose TWO)

-

Eliminating Single Points of Failure (SPOFs).

(Correct)

-

Dedicated hosting.

-

Virtualized compute resources.

-

Distributed infrastructure.

(Correct)

-

Reserved Compute capacity.

Question 76:

Skipped

An organization needs to analyze and process a large number of data sets. Which AWS service should they use?



Amazon SQS.



Amazon SNS.



Amazon EMR.

(Correct)



Amazon MQ.

Question 77:

Skipped

Which of the following is not a benefit of Amazon S3? (Choose TWO)



Amazon S3 can be scaled manually to store and retrieve any amount of data from anywhere.

(Correct)



Amazon S3 stores any number of objects but with object size limits.



Amazon S3 provides 99.99999999% (11 9's) of data durability.



Amazon S3 can run any type of application or backend system.

(Correct)

-

Amazon S3 provides unlimited storage for any type of data.

Question 78:

Skipped

Your application has recently experienced significant global growth and international users are complaining of high latency. What is the AWS characteristic that can help improve your international users' experience?

-

High availability.

-

Data durability.

-

Elasticity.

-

Global reach.

(Correct)

Question 79:

Skipped

A company is concerned that they are spending money on underutilized compute resources in AWS. Which AWS feature will help ensure that their applications are automatically adding/removing EC2 compute capacity to closely match the required demand?

-

AWS Elastic Load Balancer.

-

AWS Budgets.

(Correct)

-

AWS Cost Explorer.

-

AWS Auto Scaling.

Question 80:

Skipped

An organization runs many systems and uses many AWS products. Which of the following services enables them to control how each developer interacts with these products?

-

Amazon RDS.

-

AWS Identity and Access Management.

(Correct)

-

Amazon EMR.

-

Network Access Control Lists.

Question 81:

Skipped

Which of the following should be considered when performing a TCO analysis to compare the costs of running an application on AWS instead of on-premises?

-

Physical hardware.

(Correct)

-

Business analysis.

-

Market research.

-

Application development.

Question 82:

Skipped

The identification process of an online financial services company requires that new users must complete an online interview with their security team. The completed recorded interviews are only required in the event of a legal issue or a regulatory compliance breach. What is the most cost-effective service to store the recorded videos?

-

Amazon EBS.

-

S3 Intelligent-Tiering.

-

Amazon S3 Glacier Deep Archive.

(Correct)

-

AWS Marketplace.

Question 83:

Skipped

A company is migrating its on-premises database to Amazon RDS. What should the company do to ensure Amazon RDS costs are kept to a minimum?

-

Right-size before and after migration.

-

Combine On-demand Capacity Reservations with Saving Plans.

-

Use a Multi-Region Active-Active architecture.

-

Use a Multi-Region Active-Passive architecture.

(Correct)

Question 84:

Skipped

What is the advantage of the AWS-recommended practice of "decoupling" applications?

-

Allows treating an application as a single cohesive unit.

-

Allows tracking of any API call made to any AWS service.

-

Reduces inter-dependencies so that failures do not impact other components of the application.

(Correct)

-

Allows updates of any monolithic application quickly and easily.

Question 85:

Skipped

What does Amazon Elastic Beanstalk provide?

-

A scalable file storage solution for use with AWS and on-premises servers.

-

A PaaS solution to automate application deployment.

-

A compute engine for Amazon ECS.

(Correct)

-

A NoSQL database service.

Question 86:

Skipped

A developer is planning to build a two-tier web application that has a MySQL database layer. Which of the following AWS database services would provide automated backups for the application?

-

Amazon Neptune.

-

A MySQL database installed on an EC2 instance.

-

Amazon DynamoDB.

-

Amazon Aurora.

(Correct)

Question 87:

Skipped

According to the AWS Shared responsibility model which of the following are the responsibility of the customer? (Choose TWO)

-

Controlling physical access to AWS Regions.

-

Patching applications installed on Amazon EC2.

(Correct)

-

Ensuring that the underlying EC2 host is configured properly.

-

Protecting the confidentiality of data in transit in Amazon S3.

(Correct)

-

Managing environmental events of AWS data centers.

Question 88:

Skipped

A company has deployed a new web application on multiple Amazon EC2 instances. Which of the following should they use to ensure that the incoming HTTP traffic is distributed evenly across the instances?

-

AWS Network Load Balancer.

-

AWS Application Load Balancer.

(Correct)

-

AWS EC2 Auto Recovery.

-

AWS Auto Scaling.

Question 89:

Skipped

What does the AWS Health Dashboard provide? (Choose TWO)

-

Detailed troubleshooting guidance to address AWS events impacting your resources.

(Correct)

-

Personalized view of AWS service health.

(Correct)

-

A dashboard detailing vulnerabilities in your applications.

- **Health checks for Auto Scaling instances.**
- **Recommendations for Cost Optimization.**

Question 90:

Skipped

Which AWS services can be used to improve the performance of a global application and reduce latency for its users? (Choose TWO)

- **Amazon CloudFront.**
- **AWS Glue.**
- **AWS KMS.**
- **AWS Direct Connect.**

AWS Global accelerator.

(Correct)

Question 91:

Skipped

What are the AWS services\features that can help you maintain a highly available and fault-tolerant architecture in AWS? (Choose TWO)

- **CloudFormation.**

- **Amazon EC2 Auto Scaling.**
(Correct)

- **Network ACLs.**
- **Elastic Load Balancer.**
(Correct)
- **AWS Direct Connect.**

Question 92:

Skipped

What are the Amazon RDS features that can be used to improve the availability of your database? (Choose TWO)

- **Edge Locations.**
- **AWS Regions.**
- **Automatic patching.**
- **Read Replicas.**

(Correct)

- **Multi-AZ Deployment.**

(Correct)

Question 93:

Skipped

Which AWS service can be used to store and reliably deliver messages across distributed systems?



Amazon Simple Queue Service.

(Correct)



Amazon Simple Storage Service.



AWS Storage Gateway.



Amazon Simple Email Service.

Question 94:

Skipped

Amazon Glacier is an Amazon S3 storage class that is suitable for storing _____ & _____. (Choose TWO)



Long-term analytic data.

(Correct)



Dynamic websites' assets.



Active databases.



Active archives.

(Correct)

-

Cached data.

Question 95:

Skipped

Adjusting compute capacity dynamically to reduce cost is an implementation of which AWS cloud best practice?

-

Parallelize tasks.

-

Adopt monolithic architecture .

-

Build security in every layer.

-

Implement elasticity.

(Correct)

Question 96:

Skipped

How are AWS customers billed for Linux-based Amazon EC2 usage?

-

EC2 instances will be billed on one day increments with a minimum of one month.

-

EC2 instances will be billed on one hour increments with a minimum of one day.

-

EC2 instances will be billed on one minute increments with a minimum of one hour.

-

EC2 instances will be billed on one second increments with a minimum of one minute.

(Correct)

Question 97:

Skipped

What is the AWS feature that provides an additional level of security above the default authentication mechanism of usernames and passwords?

-
- **AWS KMS.**
-
- **AWS MFA.**
- **(Correct)**
-
- **Encrypted keys.**
-
- **Email verification.**

Question 98:

Skipped

Which of the following AWS security features is associated with an EC2 instance and functions to filter incoming traffic requests?

-
- **AWS X-Ray.**
-
- **VPC Flow logs.**
-
- **Security Groups.**
- **(Correct)**
-

Network ACL.

Question 99:

Skipped

Which service provides object-level storage in AWS?

-

Amazon S3.

(Correct)

-

Amazon Instance Store.

-

Amazon EFS.

-

Amazon EBS.

Question 100:

Skipped

What are the change management tools that helps AWS customers audit and monitor all resource changes in their AWS environment? (Choose TWO)

-

Amazon Comprehend.

-

AWS Transit Gateway.

-

AWS X-Ray.

-

AWS Config.

(Correct)

-

AWS CloudTrail.

(Correct)

Question 101:

Skipped

Which of the following describes the payment model that AWS makes available for customers that can commit to using Amazon EC2 over a one or 3-year term to reduce their total computing costs?



Save when you reserve.

(Correct)



Pay less by using more.



Pay as you go.



Pay less as AWS grows.

Question 102:

Skipped

A global company with a large number of AWS accounts is seeking a way in which they can centrally manage billing and security policies across all accounts. Which AWS Service will assist them in meeting these goals?



AWS Config.



AWS Trusted Advisor.



IAM User Groups .



AWS Organizations.

(Correct)

Question 103:

Skipped

You have set up consolidated billing for several AWS accounts. One of the accounts has purchased a number of reserved instances for 3 years. Which of the following is true regarding this scenario?



All accounts can receive the hourly cost benefit of the Reserved Instances (Correct).

(Correct)



There are no cost benefits from using consolidated billing; It is for informational purposes only.



The Reserved Instance discounts can only be shared with the master account.



The purchased instances will have better performance than On-demand instances.

Question 104:

Skipped

Which of the below is a best-practice when designing solutions on AWS?



Use AWS reservations to reduce costs when testing your production environment.



Invest heavily in architecting your environment as it is not easy to change your design later.



Provision a large compute capacity to handle any spikes in load

-

Automate wherever possible to make architectural (©) experimentation easier.

(Correct)

Question 105:

Skipped

What does Amazon CloudFront use to distribute content to global users with low latency?

-

AWS Edge Locations.

(Correct)

-

AWS Global Accelerator.

-

AWS Availability Zones.

-

AWS Regions.

Question 106:

Skipped

What is the AWS serverless service that allows you to run your applications without any administrative burden?

-

Amazon RDS instances.

-

AWS Lambda.

(Correct)

-

Amazon EC2 instances.

-

Amazon LightSail.

Question 107:

Skipped

What is the AWS tool that enables you to use scripts to manage all AWS services and resources?

-

AWS Console.

-

AWS Service Catalog.

(Correct)

-

AWS OpsWorks.

-

AWS CLI.

Question 108:

Skipped

Which statement is correct with regards to AWS service limits? (Choose TWO)

-

You can use the AWS Trusted Advisor to monitor your service limits.

(Correct)

-

You can contact AWS support to increase the service limits.

(Correct)

-

The Amazon Simple Email Service is responsible for sending email notifications when usage approaches a service limit.

- There are no service limits on AWS.
- Each IAM user has the same service limit.

Question 109:

Skipped

A company is introducing a new product to their customers and is expecting a surge in traffic to their web application. As part of their Enterprise Support plan which of the following provides the company with architectural and scaling guidance?

- AWS Support Concierge Service.
- AWS Health Dashboard.
- AWS Knowledge Center.
- Infrastructure Event Management.

(Correct)

Question 110:

Skipped

A company needs to host a database in Amazon RDS for at least three years. Which of the following options would be the most cost-effective solution?

- Spot Instances.
- On-Demand instances.

-

Reserved instances - No Upfront.

-

Reserved instances - Partial Upfront.

(Correct)

Question 111:

Skipped

A company has decided to migrate its Oracle database to AWS. Which AWS service can help achieve this without negatively impacting the functionality of the source database?

-

AWS OpsWorks.

-

AWS Application Discovery Service .

-

AWS Database Migration Service.

(Correct)

-

AWS Server Migration Service.

Question 112:

Skipped

Your company has a data store application that requires access to a NoSQL database. Which AWS database offering would meet this requirement?

-

Amazon DynamoDB.

(Correct)

-

Amazon Aurora.

-

Amazon Elastic Block Store.

-

Amazon Redshift.

Question 113:

Skipped

Which statement is true regarding the AWS Shared Responsibility Model?

-

Security of the managed services is the responsibility of the customer.

-

Patching the guest OS is always the responsibility of AWS.

-

Security of the 1aaS services is the responsibility of AWS.

-

Responsibilities vary depending on the services used.

(Correct)

Question 114:

Skipped

Which of the following AWS offerings is a MySQL-compatible relational database service that can scale capacity automatically based on demand?

-

Amazon Aurora.

(Correct)

-

Amazon Neptune.

-

Amazon RDS for PostgreSQL.

-

Amazon RDS for SQL Server.

Question 115:

Skipped

What are the default security credentials that are required to access the AWS management console for an IAM user account?

-

MFA.

-

Access keys.

-

Security tokens.

-

A user name and password.

(Correct)

Question 116:

Skipped

Which of the following AWS services is designed with native Multi-AZ fault tolerance in mind? (Choose TWO)

-

Amazon EBS.

-

AWS Snowball.

-

Amazon DynamoDB.

(Correct)

-

Amazon Redshift.

-

Amazon Simple Storage Service.

(Correct)

Question 117:

Skipped

Which of the following EC2 instance purchasing options supports the Bring Your Own License (BYOL) model for almost every BYOL scenario?

-

Dedicated Hosts.

(Correct)

-

Reserved Instances.

-

On-demand Instances.

-

Dedicated Instances.

Question 118:

Skipped

One of the most important AWS best-practices to follow is the cloud architecture principle of elasticity. How does this principle improve your architecture's design?

-

By automatically provisioning the required AWS resources based on changes in demand .

(Correct)

-

By automatically scaling your AWS resources using an Elastic Load Balancer.

-
- By reducing interdependencies between application components wherever possible.**
-
- By automatically scaling your on-premises resources based on changes in demand.**

Question 119:

Skipped

Which of the following is NOT correct regarding Amazon EC2 On-demand instances?

- - The on-demand instances follow the AWS pay-as-you-go pricing model.**
 -
 - You have to pay a start-up fee when launching a new instance for the first time.**
- (Correct)**
- - With on-demand instances no longer-term commitments or upfront payments are needed.**
 -
 - When using on-demand Linux instances you are charged per second based on an hourly rate.**

Question 120:

Skipped

A company has developed an eCommerce web application in AWS. What should they do to ensure that the application has the highest level of availability?

-
- Deploy the application across multiple Availability Zones and Edge locations.**
-
- Deploy the application across multiple VPC's and subnets .**

-

Deploy the application across multiple Availability Zones and subnets.

-

Deploy the application across multiple Regions and Availability Zones (Co).

(Correct)

Question 121:

Skipped

Which of the below is a best-practice when building applications on AWS?

-

Ensure that the application runs on hardware from trusted vendors.

-

Strengthen physical security by applying the principle of least privilege.

-

Use IAM policies to maintain performance.

-

Decouple the components of the application so that they run independently.

(Correct)

Question 122:

Skipped

Sarah has deployed an application in the Northern California (us-west-1) region. After examining the application's traffic she notices that about 30% of the traffic is coming from Asia. What can she do to reduce latency for the users in Asia?

-

Replicate the current resources across multiple Availability Zones within the same region.

-

Migrate the application to a hosting provider in Asia.

-

Recreate the website content.

-

Create a CDN using CloudFront so that content is cached at Edge Locations close to and in Asia.

(Correct)

Question 123:

Skipped

An organization has decided to purchase an Amazon EC2 Reserved Instance (RI) for three years in order to reduce costs. It is possible that the application workloads could change during the reservation period. What is the EC2 Reserved Instance (RI) type that will allow the company to exchange the purchased reserved instance for another reserved instance with higher computing power if they need to?

-

Standard RI.

-

Elastic RI.

-

Convertible RI.

(Correct)

-

Premium RI.

Question 124:

Skipped

You have deployed your application on multiple Amazon EC2 instances. Your customers complain that sometimes they can't reach your application. Which AWS service allows you to monitor the performance of your EC2 instances to assist in troubleshooting these issues?

-

AWS Config.

-

AWS Lambda.

-

AWS CloudTrail.

-

Amazon CloudWatch.

(Correct)

Question 125:

Skipped

Which of the below options are related to the reliability of AWS? (Choose TWO)

-

Ability to recover quickly from failures.

(Correct)

-

Automatically provisioning new resources to meet demand.

(Correct)

-

All AWS services are considered Global Services and this design helps customers serve their international users.

-

Applying the principle of least privilege to all AWS resources.

-

Providing compensation to customers if issues occur.

Question 126:

Skipped

Which of the following is equivalent to a user name and password and is used to authenticate your programmatic access to AWS services and APIs?

-

Access Keys.

(Correct)

-

MFA.

-

Key pairs.

-

Instance Password.

Question 127:

Skipped

Which of the following helps a customer view the Amazon EC2 billing activity for the past month?

-

AWS Budgets.

-

AWS Pricing Calculator.

-

AWS Cost & Usage Reports.

(Correct)

-

AWS Systems Manager.

Question 128:

Skipped

You are working on a project that involves creating thumbnails of millions of images. Consistent uptime is not an issue and continuous processing is not required. Which EC2 buying option would be the most cost-effective?

-

Reserved Instances.

-

Dedicated Instances.

-

Spot Instances.

(Correct)

-

On-demand Instances.

Question 129:

Skipped

Which of the following procedures will help reduce your Amazon S3 costs?

-

Move all the data stored in S3 standard to EBS.

-

Use the right combination of storage classes based on different use cases.

(Correct)

-

Use the Import/Export feature to move old files automatically to Amazon Glacier.

-

Pick the right Availability Zone for your S3 bucket.

Question 130:

Skipped

You are working on two projects that require completely different network configurations. Which AWS service or feature will allow you to isolate resources and network configurations?

-

Security Groups.

-

Internet gateways.



Amazon CloudFront.



Virtual Private Cloud.

(Correct)

Continue

Retake test



Amazon

AWS-CERTIFIED-CLOUD-PRACTITIONER

Exam Name:

Amazon AWS-Certified-Cloud-Practitioner Exam



Questions & Answers

(Demo Version – Limited Content)

Thank you for Downloading AWS-CERTIFIED-CLOUD-PRACTITIONER exam
PDF Demo

You can also try our AWS-CERTIFIED-CLOUD-PRACTITIONER practice exam
software

Download Free Demo:

<https://www.testcollections.com/AWS-CERTIFIED-CLOUD-PRACTITIONER.html>



Version: 11.0

Question: 1

What is the term used to describe giving an AWS user only access to the exact services he/she needs to do the required job and nothing more?

Choose the Correct

answer:

- A. The Least Privilege User Principal
- B. The Principal of Least Privilege
- C. The Only Access Principal.
- D. None of the above

Answer: B

Question: 2

What you create and S3 bucket, what rules must be followed regarding the bucket name? (Select all that apply) Choose the 2 Correct answers:

- A. Bucket names must be unique across all of AWS.
- B. Bucket names must be between 3-63 characters in length.
- C. Bucket names must contain at least one uppercase letter
- D. Bucket names can be formatted as IP addresses

Answer: AB

Explanation:

Although certain regions do allow for uppercase letters in the bucket name, uppercase letters are NOT required. Also, a bucket name cannot be formatted as an IP address.

Question: 3

What are the main benefits of On-Demand EC2 instances? (Select all that apply)

Choose the 2 Correct answers:

- A. They are the cheapest buying option.
- B. They are the most flexible buying option.
- C. They require 1-2 days for setup and configuration.
- D. Create, start, stop, and terminate at any time.

Answer: BD

Explanation:

On-demand EC2 instances are widely used due to their flexibility. You can create, start, stop, and terminate at any time (with no startup or termination fees). Although due to this flexibility, they are the most expensive buying option.



Question: 4

What AWS service must you use if you want to configure an AWS billing alarm?
Choose the Correct

answer:

- A. CloudWatch
- B. CloudMonitor
- C. Consolidated billing
- D. CloudTrail

Answer: A

Explanation:

CloudWatch is the AWS service that allows you to collect metrics, and create alarms based on those metrics. Billing metrics can be tracked in CloudWatch, therefore billing alarms can be created.

Question: 5

What are some common uses of AWS? (Select all that apply)
Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

Question: 6

How much data can you store in S3?
Choose the Correct

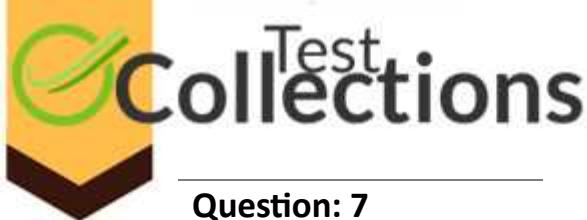
answer:

- A. Storage capacity is virtually unlimited.
- B. You can store up to 1 petabyte of data.
- C. Each account is given 50 gigabytes of storage capacity and no more can be used.
- D. You can store up to 1 petabyte of data, then you are required to pay an additional fee.

Answer: A

Explanation:

Although there is theoretically a capacity limit, as an S3 user, there is no limited on the amount of data you can store in S3.



Question: 7

You have just set up a brand new AWS account. You want to keep monthly billing under \$100, but you are worried about going over that limit. What can you set up in order to be notified when the monthly bill approaches \$100?

Choose the Correct

answer:

- A. A CloudTrail billing alarm that triggers an SNS notification to your email address.
- B. A SNS billing alarm that triggers a CloudWatch notification to your email address.
- C. A CloudWatch billing alarm that triggers an SNS notification to your email address.
- D. A CloudWatch billing alarm that triggers a CloudTrail notification to your email address.

Answer: C

Explanation:

In CloudWatch, you can set up a billing alarm that will trigger when your monthly bill hit the set threshold. That alarm can then be set up to trigger an SNS topic that will send you a notification that the alarm threshold has been met.

Question: 8

What best describes the purpose of having many Availability Zones in each AWS region?

Choose the Correct

answer:

- A. Multiple Availability Zones allow for fault tolerance but not high availability.
- B. Multiple Availability Zones allow for cheaper prices due to competition between them.
- C. Multiple Availability Zones allow for duplicate and redundant compute, and data backups.
- D. None of the above.

Answer: C

Explanation:

Availability Zones work together within a region to provide users with the ability to easily setup and configure redundant architecture and backup solutions

Question: 9

What TWO services/features are required to have highly available and fault tolerant architecture in AWS?

Choose the 2 Correct answers:

- A. Elastic Load Balancer
- B. CloudFront
- C. ElastiCache
- D. Auto Scaling

Answer: AD

Question: 10



Which S3 storage class has lowest object availability rating?
Choose the Correct

answer:

- A. Standard
- B. Reduced Redundancy
- C. Infrequent Access
- D. All of them have the same availability rating

Answer: C

Explanation:

Infrequent access has the lowest availability rating (99.90%). Standard and Reduced Redundancy have an availability rating of 99.99%



Thank You for trying AWS-CERTIFIED-CLOUD-PRACTITIONER PDF Demo

Start Your AWS-CERTIFIED-CLOUD-PRACTITIONER Preparation

Use Coupon “20OFF” for extra 20% discount on the purchase of Practice Test Software. Test your AWS-CERTIFIED-CLOUD-PRACTITIONER preparation with actual exam questions.

To try our AWS-CERTIFIED-CLOUD-PRACTITIONER practice exam software visit link below

<https://www.testcollections.com/AWS-CERTIFIED-CLOUD-PRACTITIONER.html>

AWS Certified Cloud Practitioner (CLF-C01)

Amazon AWS Certified Cloud Practitioner Dumps Available Here at:

<https://www.certification-questions.com/amazon-exam/aws-certified-cloud-practitioner-dumps.html>

Enrolling now you will get access to 864 questions in a unique set of AWS Certified Cloud Practitioner dumps

Question 1

Under the shared responsibility model, which of the following is the customer responsible for?

Options:

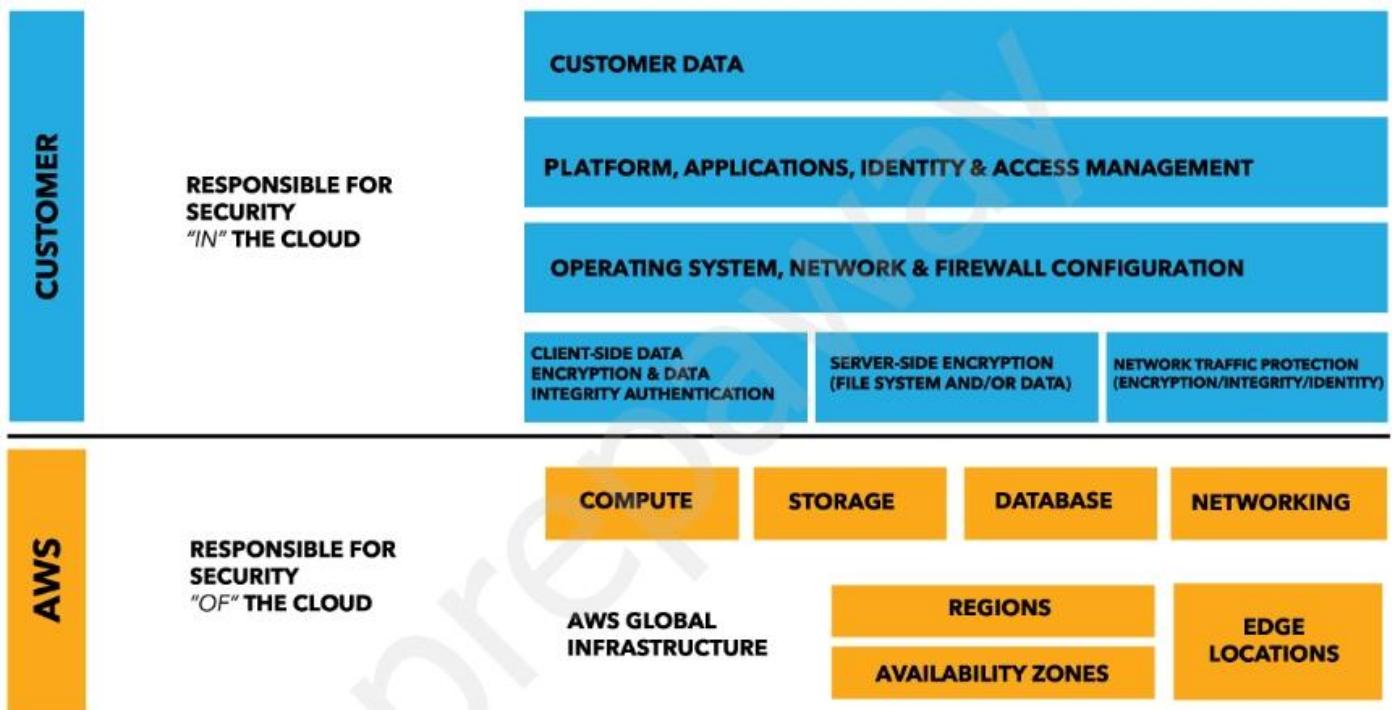
- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.

Answer: C

Explanation:

Reference:

<https://www.whizlabs.com/blog/aws-security-shared-responsibility/>



praw343167

Question 2

The use of what AWS feature or service allows companies to track and categorize spending on a detailed level?

Options:

- A. Cost allocation tags
- B. Consolidated billing
- C. AWS Budgets
- D. AWS Marketplace

Answer: C

Explanation:

<https://aws.amazon.com/blogs/startups/how-to-set-aws-budget-when-paying-with-aws-credits/>

Question 3

Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

Options:

- 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?

Options:

- 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?

Options:

- A. AWS Partner Network Technology Partners
- B. AWS Marketplace
- C. AWS Partner Network Consulting Partners
- D. AWS Service Catalog

Answer: C

Question 6

<https://www.certification-questions.com>

Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

Options:

- 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? (Choose two.)

Options:

- A. Amazon EC2
- B. Amazon Relational Database Service (Amazon RDS)
- C. Amazon Aurora
- D. Amazon Redshift
- E. Amazon S3

Answer: A, B

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?

Options:

- 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?

Options:

- A. Spot Instances
- B. Reserved Instances
- C. Dedicated Hosts
- D. On-Demand Instances

Answer: C

Explanation:

Reference:

<https://aws.amazon.com/ec2/pricing/>

Dedicated Hosts

A Dedicated Host is a physical EC2 server dedicated for your use. Dedicated Hosts can help you reduce costs by allowing you to use your existing server-bound software licenses, including Windows Server, SQL Server, and SUSE Linux Enterprise Server (subject to your license terms), and can also help you meet compliance requirements. [Learn more.](#)

- Can be purchased On-Demand (hourly).
- Can be purchased as a Reservation for up to 70% off the On-Demand price.

Question 10

Which AWS characteristics make AWS cost effective for a workload with dynamic user demand? (Choose two.)

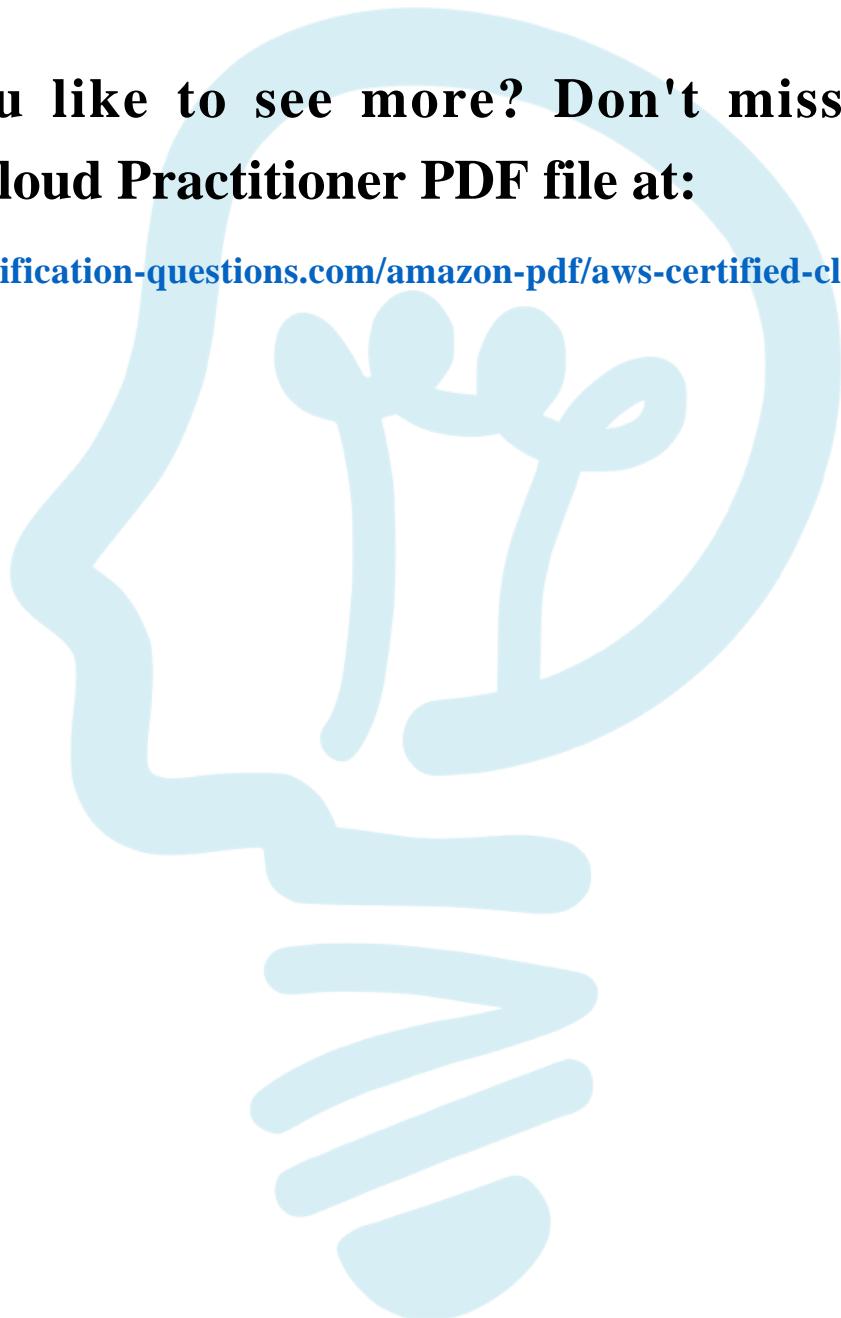
Options:

- A. High availability
- B. Shared security model
- C. Elasticity
- D. Pay-as-you-go pricing
- E. Reliability

Answer: C, D

Would you like to see more? Don't miss our AWS Certified Cloud Practitioner PDF file at:

<https://www.certification-questions.com/amazon-pdf/aws-certified-cloud-practitioner-pdf.html>



1) Why is AWS more economical than traditional data centers for applications with varying compute workloads?

- A) Amazon EC2 costs are billed on a monthly basis.
- B) Users retain full administrative access to their Amazon EC2 instances.
- C) Amazon EC2 instances can be launched on demand when needed.
- D) Users can permanently run enough instances to handle peak workloads.

2) Which AWS service would simplify the migration of a database to AWS?

- A) AWS Storage Gateway
- B) AWS Database Migration Service (AWS DMS)
- C) Amazon EC2
- D) Amazon AppStream 2.0

3) Which AWS offering enables users 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

4) 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 (Amazon VPC)

5) Which of the following is an AWS responsibility under the AWS shared responsibility model?

- A) Configuring third-party applications
- B) Maintaining physical hardware
- C) Securing application access and data
- D) Managing guest operating systems

6) Which component of the AWS global infrastructure does Amazon CloudFront use to ensure low-latency delivery?

- A) AWS Regions
- B) Edge locations
- C) Availability Zones
- D) Virtual Private Cloud (VPC)

7) How would a system administrator add an additional layer of login security to a user's AWS Management Console?

- A) Use Amazon Cloud Directory
- B) Audit AWS Identity and Access Management (IAM) roles
- C) Enable multi-factor authentication
- D) Enable AWS CloudTrail

8) Which service can identify the user that made the API call when an Amazon EC2 instance is terminated?

- A) AWS Trusted Advisor
- B) AWS CloudTrail
- C) AWS X-Ray
- D) AWS Identity and Access Management (AWS IAM)

9) Which service would be used to send alerts based on Amazon CloudWatch alarms?

- A) Amazon Simple Notification Service (Amazon SNS)
- B) AWS CloudTrail
- C) AWS Trusted Advisor
- D) Amazon Route 53

10) Where can a user find information about prohibited actions on the AWS infrastructure?

- A) AWS Trusted Advisor
- B) AWS Identity and Access Management (IAM)
- C) AWS Billing Console
- D) AWS Acceptable Use Policy

Answers

- 1) C – The ability to [launch instances on demand](#) when needed allows users to launch and terminate instances in response to a varying workload. This is a more economical practice than purchasing enough on-premises servers to handle the peak load.
- 2) B – AWS DMS helps users migrate databases to AWS quickly and securely. The source database remains fully operational during the migration, minimizing downtime to applications that rely on the database. [AWS DMS](#) can migrate data to and from most widely used commercial and open-source databases.
- 3) D – [AWS Marketplace](#) is a digital catalog with thousands of software listings from independent software vendors that makes it easy to find, test, buy, and deploy software that runs on AWS.
- 4) D – [Amazon VPC](#) lets users provision a logically isolated section of the AWS Cloud where users can launch AWS resources in a virtual network that they define.
- 5) B – Maintaining physical hardware is an AWS responsibility under the [AWS shared responsibility model](#).
- 6) B – To deliver content to users with lower latency, [Amazon CloudFront](#) uses a global network of points of presence (edge locations and regional edge caches) worldwide.
- 7) C – [Multi-factor authentication](#) (MFA) is a simple best practice that adds an extra layer of protection on top of a username and password. With MFA enabled, when a user signs in to an AWS Management Console, they will be prompted for their username and password (the first factor—what they know), as well as for an authentication code from their MFA device (the second factor—what they have). Taken together, these multiple factors provide increased security for AWS account settings and resources.
- 8) B – [AWS CloudTrail](#) helps users enable governance, compliance, and operational and risk auditing of their AWS accounts. Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail. Events include actions taken in the AWS Management Console, AWS Command Line Interface (CLI), and AWS SDKs and APIs.
- 9) A – Amazon SNS and Amazon CloudWatch are integrated so users can collect, view, and analyze metrics for every active SNS. Once users have configured [CloudWatch for Amazon SNS](#), they can gain better insight into the performance of their Amazon SNS topics, push notifications, and SMS deliveries.
- 10) D – The [AWS Acceptable Use Policy](#) provides information regarding prohibited actions on the AWS infrastructure.