Amazon.Premium.AWS Certified Cloud Practitioner.620q

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Exam A

QUESTION 1
How can a user achieve high availability for a web application hosted on AWS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which AWS service helps users create three-dimensional applications quickly without requiring any specialized programming or three-dimensional graphics expertise?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
A development learn wants to deploy multiple test environments for an application in a fast, repeatable manner.
Which AWS service should the learn use?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
A company uses AWS Direct Conned and wants to establish connectivity that spans VPCs across multiple AWS Regions.
Which AWS service or feature should the company use to meet these requirements?

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

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:

QUESTION 5
Which of the following are benefits of running a database on amazon rds compared to an on premises database?

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
Which duty is a responsibility of AWS under the AWS shared responsibility model?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
Which AWS service enables risk auditing of an AWS account by tracking and recording user actions and source IP addresses?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Where can a user receive help with deploying popular technologies based on AWS best practices, including architecture and deployment instructions?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
What is an advantage of deploying an application across multiple Availability Zones?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
A company plans to create a data lake that uses Amazon S3.
Which factor will have the MOST effect on cost?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
When a user wants to utilize their existing per-socket per-core, or per-virtual machine software licenses for a Microsoft Windows server running on AWS, which Amazon EC2 instance type is required?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Service control policies (SCPs) manage permissions for which of the following?

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

D. Edge locations

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Which of the following can be used to describe infrastructure as code in the AWS Clouds?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
When comparing AWS to on-premises total cost of ownership (TCO), what costs are included with AWS?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Which duty is a responsibility of AWS under the AWS shared responsibility model?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance. Based on this situation the Amazon EC2 instances should be deployed:

A. in a single Availability Zone in one AWS Region

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Which of the following are advantages of the AWS Cloud?

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
The continual reduction of AWS Cloud pricing is due to:

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
How can a company reduce its Total Cost of Ownership (TCO) using AWS?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption. Which action should the user take?

A. Contact the dedicated AWS technical account manager (TAM)

B. Contact the dedicated AWS Concierge Support team

C. Open a business-critical system down support case

D. Open a production system down support case

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation, and configuration. Which AWS service should the company use to host the databases?

A. Amazon RDS

B. Amazon EC2

C. Amazon DynamoDB

D. Amazon Aurora

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
Which AWS service does AWS Snowball Edge natively support?

A. AWS Server Migration Service (AWS SMS)

B. Amazon Aurora

C. AWS Trusted Advisor

D. Amazon EC2

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?

A. Amazon EMR

B. Amazon DynamoDB

C. Amazon Redshift

D. Amazon Athena

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24

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

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Which of the following are benefits of running a database on Amazon RDS compared to an onpremises database? (Select TWO)

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

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
How can consolidated billing within AWS Organizations help lower overall monthly expenses?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Management at a large company wants to avoid long-term contracts and is interested in AWS to move from fixed costs to variable costs. What is the value proposition of AWS for this company?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Select TWO)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
The AWS Trusted Advisor checks include recommendations regarding which of the following? (Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Using AWS Config to record audit and evaluate changes to AWS resources to enable traceability is an example of which AWS Wed-Architected Framework pillar?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
What is an AWS Identity and Access Management (IAM) role?

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

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 32
Which tasks require using AWS account root user credentials? (Select TWO.)

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
A company has deployed several relational databases on Amazon EC2 instances Every month the database software vendor releases new security patches that need to be applied to the databases What is the MOST efficient way to apply the security patches?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups. Which AWS service should the officer use?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Which AWS service provides a simple and scalable shared file storage solution for use with Linuxbased AWS and on-premises servers?

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

Correct Answer: D
Section: (none)
Explanation

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

QUESTION 36
Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that runs once a year for 24 hours?

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

Correct Answer: A
Section: (none)
Explanation

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

QUESTION 37
Which of the following is a shared control between the customer and AWS?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
A company must process a large amount of data from social media accounts by making graphical queries with high throughput. Which AWS service will help the company design a cloud architecture that will meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
Which AWS service or feature can be used to prevent SQL injection attacks?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Under the AWS shared responsibility model what are the customer's responsibilities? (Select TWO.)

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
Which AWS service or feature provides log information of the inbound and outbound traffic on network interfaces in a VPC?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost which Amazon EC2 purchasing option should De used?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Which of the following enable a company to reserve capacity on AWS? (Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
A company is considering a migration from on premises to the AWS Cloud. The company's IT team needs to offload support of the workload. What should the IT team do to accomplish this goal?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices. Which AWS tool or resource is available to accomplish these goals?

A. Resource lagging
B. AWS Concierge Support team
C. AWS Abuse team
D. AWS Support

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
A company needs 24/7 phone email and chat access with a response time of less than 1 hour if a production system has a service interruption.
Which AWS Support plan meets these requirements at the LOWEST cost?

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

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
What is a value proposition of the AWS Cloud?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which features and benefits does the AWS Organizations provide? (Select TWO)

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

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
Using AWS Identity and Access Management (IAM) what can be attached to an Amazon EC2 instance to make service requests?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
In which of the following is Amazon CloudFront content cached?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time. Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which AWS cloud architecture principle slates that systems should reduce interdependences?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Which AWS service or feature allows a user to establish a dedicated network connection between a company's on-premises data center and the AWS Cloud?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which of the following is a benefit of using the AWS Cloud?

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

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
What can be used to reduce the cost of running Amazon EC2 instances? (Select TWO)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
Under the AWS shared responsibility model what is the customer's responsibility when using an AWS managed service?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
An application is receiving SQL injection attacks from multiple external resources. Which AWS service or feature can help automate mitigation against these attacks?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Which aspect of AWS infrastructure enables global deployment of compute and storage?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
A user needs to quickly deploy a nonrelational database on AWS. The user does not want to manage the underlying hardware or the database software. Which AWS service cart be used to accomplish this?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
How can a user achieve high availability for a web application hosted on AWS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
A startup is working on a new application that needs to go to market quickly. The application requirements may need to be adjusted in the near future.
Which of the following is a characteristic of the AWS Cloud that would meet this specific need?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62

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

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
What AWS billing support resource is available to all support levels?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
Which AWS service or component allows inbound traffic from the internet to access a VPC?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
The AWS cost management tools give users the ability to do which of the following?

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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Which of the following is an AWS value proportion that describes a user's ability to scale infrastructure based on demand?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
What are the benefits of developing and running a new application in the AWS Cloud compared to on-premises? (Select TWO.)

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Which of the following can be used to identify a specific user who stopped an amazon EC2 instance?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Which design principles are enabled by the AWS cloud to improve the operation of workloads?

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

Correct Answer: BE
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 70
An application that runs on Amazon EC2 needs to accommodate a flexible workload that can run or terminate at any time of day. Which pricing model will accommodate these requirements at the LOWEST cost?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which AWS services or features help decrease network latency for a globally dispersed user base?
(Select TWO.)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
A company is building a business intelligence solution and wants to use dashboards for reporting purposes.
Which AWS service can be used?

A. Amazon Redshift
B. Amazon Elasticsearch Service (Amazon ES)
C. Amazon QuicKSight
D. Amazon Althena

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
Which of the following are benefits of AWS Global Accelerator? (Select TWO.)

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

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
A company wants to implement an automated security assessment of the scanty and network accessibility of its Amazon EC2 instances. Which AWS service can be used To accomplish this?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
What credential components are required to gain programmatic access to an AWS account? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
Which architecture concept describes the ability to deploy resources on demand and release resources when they are no longer needed?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
A company is required lo store its data close to its primary users. Which benefit of the AWS Cloud supports this requirement?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
A security engineer wants a single-tenant AWS solution to create, control, and manage their own cryptographic keys to meet regulatory compliance requirements for data security. Which AWS service should the engineer use?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
AWS trusted advisor can monitor and provide advice on what characteristics of an AWS account?

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
When comparing AWS cloud with premises total cost of ownership which expenses must be considered?

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
Which AWS service does AWS Snowball Edge natively support?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
What are the market advantages of running workloads in the AWS cloud?

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud. How can these reports be generated?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://www.slideshare.net/AmazonWebServices/best-practices-for-architecting-in-the-cloud-jeffbarr/10-Design_for_Failure_with_AWS "Multi-AZ Application Deployment and Data replication"

QUESTION 85
A user is planning to launch two additional Amazon EC2 instances to increase availability. Which action should the user take?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow Unrestricted access.
Which AWS service will support this requirement?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
Which AWS service provides a report that enables users to assess AWS infrastructure compliance?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any Impaired instances are replaced with new ones. Which AWS service should the solutions architect use?

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

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
Which AWS service will allow a user to set custom cost and usage limits, and will alert when the thresholds are exceeded?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources.
Which AWS service will meet these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
Which security-related task is the responsibility of the customer in the AWS cloud?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
According to the AWS shared responsibility model, when using amazon RDS who is responsible for scheduling and performing backups?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
Which AWS service allows customers to purchase unused Amazon EC2 capacity at an often discounted rate?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
A user an optimize Amazon EC2 costs by performing which of the following tasks? (Select TWO)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
When performing a cost analysis that supports physical isolation of a customer workload, which compute hosting model should be accounted for in the Total Cost of Ownership (TCO)?

A. Dedicated Hosts
B. Reserved Instances

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
What technology enables compute capacity to adjust as loads change?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
Which of the following are AWS compute services? (Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
What does Amazon CloudFront provide?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
Which of the following allows an application running on an Amazon EC2 instance to securely write data to an Amazon S3 bucket without using long term credentials?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Topic 2, Exam Pool B

QUESTION 101
Which AWS service acts as a data extract transform and load (ETL) tool to make it easy to prepare data for analytics?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 102
Which design principles for cloud architecture are recommended when re-architecting a large monolithic application? (Select TWO.)

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

Correct Answer: CE
Section: (none)
Explanation

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

QUESTION 103
A company uses Amazon EC2 Instances in its AWS account tor several different workloads. The company needs to perform an analysis to understand the cost of each. workload. What is the MOST operationally efficient way to meet this requirement?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 104
If a user has an AWS account with an enterprise level AWS support plan, who is the primary point of contact for billing or account inquiries?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 105
What is one of the advantages of the Amazon Relational Database Service (Amazon RDS)?

A. It simplifies relational database administration tasks.
B. It provides 99.99999999999% reliability and durability.
C. It automatically scales databases for loads.
D. It enabled users to dynamically adjust CPU and RAM resources.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://aws.amazon.com/rds/

QUESTION 106
Which guideline is a well-architected design principle for building cloud applications?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 107
Which AWS service or tool simplifies the creation, maintenance, validation, sharing and deployment of Linux or Windows Server templates for use with Amazon EC2 and on premises VMs?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 108
Which AWS service or feature helps restrict the AWS services. resources, and individual API actions the users and roles in each member account can access?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 109
Which amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 110
Which AWS service would identify if unrestricted access to a resource has been allowed by a security group?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 111
AWS trusted advisor provides recommendations on which of the following?

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

Correct Answer: AD

QUESTION 112
A company needs to transfer a large volume of data from an -on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable .
Which AWS service can facilitate this data transfer?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 113
A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.
Which service will meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 114
Which pricing model will interrupt a running amazon EC2 instance if capacity becomes temporarily unavailable?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 115
Which AWS service will track user activity on AWS?

A. Amazon GuardDuty
B. AWS Trusted Advisor

C. AWS CloudTrail
D. Amazon CloudWatch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 116
Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements, but rapid access when needed, such as duplicate backups?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 117
A company has a managed IAM policy that does not grant the necessary permission for users to accomplish required tasks.
How can this be resolved?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 118
Which AWS services offer compute capabilities?

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

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 119
When using Amazon RDS what is the customer responsible for?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 120
Which is a recommended pattern for designing a highly available architecture on AWS?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 121
A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market Which AWS Cloud feature can provide this?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 122
Which of the following are general AWS Cloud design principles described in the AWS Well- Architected Framework? (Select TWO.)

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

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 123
Which of the following AWS features enables a user to launch a pre-configured Amazon Elastic Compute Cloud (Amazon EC2) instance?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 124
Which AWS Cloud service provides performance recommendations for an AWS account?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 125
Which of the following are benefits of using the AWS Cloud? (Select TWO.)

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

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 126
Which tool should a developer use to integrate AWS service features directly into an application?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 127
Which tasks require the use of the AWS account root user? (Select TWO.)

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

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Tasks that require root user credentials
We recommend that you use an IAM user with appropriate permissions to perform tasks and access AWS resources. However, you can perform the tasks listed below only when you sign in as the root user of an account.
Tasks
Change your account settings. This includes the account name, email address, root user password, and root user access keys. Other account settings, such as contact information, payment currency preference, and Regions, do not require root user credentials.
Restore IAM user permissions. If the only IAM administrator accidentally revokes their own permissions, you can sign in as the root user to edit policies and restore those permissions.
Activate IAM access to the Billing and Cost Management console.
View certain tax invoices. An IAM user with the aws-portal:ViewBilling permission can view and download VAT invoices from AWS Europe, but not AWS Inc or Amazon Internet Services Pvt. Ltd (AISPL).
Close your AWS account.
Change your AWS Support plan or Cancel your AWS Support plan. For more information, see IAM for AWS Support Register as a seller in the Reserved Instance Marketplace.
Configure an Amazon S3 bucket to enable MFA (multi-factor authentication) Delete.
Edit or delete an Amazon S3 bucket policy that includes an invalid VPC ID or VPC endpoint ID.
Sign up for GovCloud.

QUESTION 128
Access keys in AWS Identity and Access Management (IM1) are used to:

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 129
What are the immediate benefits of using the AWS Cloud? (Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 130
How do Amazon EC2 Auto Scaling groups help achieve high availability for a web application?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 131
A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server. When Amazon EC2 instance pricing option will meet these requirements?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Dedicated instances and dedicated hosts are separate offerings. The difference is that a dedicated instance is partitioned under a hypervisor on a dedicated server and can still share instances within your account, while a dedicated host is a complete physical machine with a single partition.
Dedicated Instance = a partition on a machine that will only host instances from your account Dedicated Host = a physical machine with a single partition The Dedicated Host is the physical server, while an instance is a server that is dedicated to your account that may contain multiple EC2 instances.
https://aws.amazon.com/ec2/pricing/dedicated-instances/

QUESTION 132
What can users access from AWS Artifact?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 133
A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Select TWO.)

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

D. Amazon CloudFront

E. AWS Lambda

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 134
A company's security policy requires the company to keep a record of all changes that are made to Amazon EC2 security groups. The record must include information about who made the change and when the change was made.
Which AWS service will provide this information?

A. AWS Lambda

B. Amazon CloudWatch

C. AWS WAF

D. AWS CloudTrail

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 135
Which design principles of the AWS Well-Architected Framework help increase reliability? (Select TWO.)

A. Automatically recover from failure

B. Enable traceability.

C. Scale horizontally to increase workload availability.

D. Automate security best practices

E. Keep people away from data

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 136
Which actions allow a company's security team to improve the security procedures for employees accessing AWS resources? (Select TWO.)

A. Create IAM users for groups of employees to share

B. Create IAM policies based on least privilege principles

C. Create IAM users in different Availability Zones

D. Enable multi-factor authentication for privileged users

E. Specify an individual IAM user for each Amazon EC2 instance

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 137

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

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 138
What is an Availability Zone in AWS?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 139
What is a responsibility of AWS in the shared responsibility model?

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

Correct Answer: C
Section: (none)
Explanation

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

QUESTION 140
Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 141
A company has an uninterruptible application that runs on Amazon EC2 instances. The application constantly processes a backlog of files in an Amazon Simple Queue Service (Amazon SQS) queue. This usage is expected to continue to grow for years.
What is the MOST cost-effective EC2 instance purchasing model to meet these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 142
A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 143
Which AWS services and features are provided to all customers at no charge? (Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 144
Which AWS service should be used to monitor Amazon EC2 instances for CPU and network utilization?

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

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 145
Which service enables risk auditing by continuously monitoring and logging account activity, including user actions in the AWS Management Console and AWS SDKs?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 146
A company's security team requires that all Amazon EC2 workloads use approved Amazon Machine Images (AMIs). Which AWS service should the company use to verify that the EC2 instances are using approved AMIs?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 147
Which AWS services can be used to gather information about AWS account activity? (Select TWO.)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data.
Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.
AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services.
AWS CloudHSM is a cloud-based hardware security module (HSM) that enables you to easily generate and use your own encryption keys on the AWS Cloud. With CloudHSM, you can manage your own encryption keys using FIPS 140-2 Level 3 validated HSMs.

QUESTION 148
Users are reporting latency when connecting to an website with a global customer base.

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

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 149
Which of the following are advantages of AWS consolidated billing? (Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://aws.amazon.com/premiumsupport/knowledge-center/support-consolidated-billing/

QUESTION 150
A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage Which set of tasks would meet this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 151
A user has underutilized on-premises resources. Which AWS Cloud concept can BEST address this Issue?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 152
Which feature of AWS Auto Scaling will forecast future traffic to schedule changes in the number of Amazon EC2 instances at the appropriate times?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Predictive Scaling predicts future traffic based on daily and weekly trends, including regularlyoccurring spikes, and provisions the right number of EC2 instances in advance of anticipated changes.
Provisioning the capacity just in time for an impending load change makes Auto Scaling faster than ever before.

QUESTION 153
Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 154
A company has stopped all of its Amazon EC2 instances but monthly billing charges continue to occur.
What could be causing this? {Select TWO.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 155
Which AWS service gives users the ability to build interactive business intelligence dashboards that include machine learning insights?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 156
A company has an application that needs to invoke AWS services, including Amazon Kinesis Data Firehose, AWS Lambda, and AWS CodePipeline. Which AWS service should the company use to meet this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 157
A company needs to allocate AWS costs across three different departments running in a single VPC.
Each department has a number of Amazon EC2 instances dedicated to the applications that are specific to the given department.
How can the costs be allocated across the three departments?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 158
A company wants to deploy its application on AWS by using Amazon EC2 instances. The application has flexible start times and end times. The application also can be restarted if necessary.
Which instance purchasing option is the MOST cost-effective for this use case?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 159
Which of the following common IT tasks can AWS cover to free up company IT resources? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 160
A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional What is the best cloud architecture to address this consistently growing demand?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 161
A VPC spans across:

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 162
A cloud practitioner wants information on the state of an existing AWS environment compared against established best practices Which AWS services or features should the cloud practitioner use to obtain this information? (Select TWO.)

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 163
Which AWS service requires the customer to patch the guest operating system?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 164
A user is building an application on AWS that requires a backend database. The application requires access to the operating system of the instance where the database is installed in order to run scripts.
Where should the database be hosted if the user's goal is to create minimum management overhead?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 165
Which of the following will help a user determine if they need to request a VPC service limit increase?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS Cost and Usage Reports tracks your AWS usage and provides estimated charges associated with your account. Each report contains line items for each unique combination of AWS products, usage type, and operation that you use in your AWS account.
AWS Trusted Advisors provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas.
AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you. ... The dashboard displays relevant and timely information to help you manage events in progress, and provides proactive notification to help you plan for scheduled activities.
AWS Service Catalog allows organizations to create and manage catalogs of IT services that are approved for use on AWS. These IT services can include everything from virtual machine images, servers, software, and databases to complete multi-tier application architectures.

QUESTION 166
Which AWS feature enables users to categorize and track their AWS costs?

A. Cost Allocation Tags

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 167
A company has a business-critical Amazon RDS for MySQL DB instance that resides in a single Availability Zone. Which solution will improve the availability of the DB instance?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 168
How can a company maximize its application uptime in the AWS Cloud?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 169
A company wants to allow full access to an Amazon S3 bucket for a particular user.
Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 170
Which service's PRIMARY purpose is software version control?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 171
Which of the following security-related services does AWS offer? (Select TWO.)

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

Correct Answer: BC
Section: (none)
Explanation

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

QUESTION 172
A user wants to move legacy applications to the AWS Cloud to reduce the total cost. Which option is the MOST cost-effective according to best practices?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 173
A user needs to identify underutilized Amazon Elastic Block Store (Amazon EBS) volumes to reduce costs. Which AWS service or feature will meet this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 174
Who is responsible for managing IAM user access and secret keys according to the AWS shared responsibility model?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 175
What does the AWS Cloud provide to increase the speed and agility of execution for customers?
(Select TWO.)

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

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 176
How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Select TWO.)

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

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 177
A customer needs to run a MySQL database that easily scales.
Which AWS service should they use?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 178
According to the AWS shared responsibility model what is the sole responsibility of AWS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 179
How does AWS CloudFormation help users operate in the AWS Cloud?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 180
Which AWS service or feature is used to troubleshoot network connectivity issues between Amazon EC2 instances?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 181
A company has set up its IT infrastructure in the AWS Cloud. The company wants to receive detailed reports that break down AWS costs by the hour. The reports must be placed in an Amazon S3 bucket.
Which AWS tool will meet these requirements?

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

D. AWS Budgets

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 182
According to the AWS shared responsibility model, which of the following are AWS responsibilities?
(Select TWO)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 183
Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 184
Which AWS service or tool helps to centrally manage billing and allow controlled access to resources across AWS account?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 185
A company needs to store database backups. The company must be able to retrieve the data in minutes Backup restorations will take place once a year. Which AWS solution should the company use to meet these requirements at the LOWEST cost?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 186
Which AWS service or tool should a company use to centrally request and track service limit increases?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 187
What is a benefit of using AWS serverless computing?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 188
Which AWS service provides a view of the health of the specific services that a company is using in its AWS account?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 189

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

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 190
A company has decided to migrate its production workloads to the AWS Cloud.
Which actions can help reduce operational costs as part of the migration? (Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 191
A customer is deploying a new serverless application running on AWS Lambda.
Which of the following are the customer's responsibilities under the AWS shared responsibility model? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 192
Which AWS service enables companies to deploy an application close to end users?

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

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 193
Which AWS service or feature is associated with a subnet in a VPC and is used to control inbound and outbound traffic?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 194
A company wants to deploy and manage a Docker-based application on AWS.
Which solution meets these requirements with the LEAST amount of operational overhead?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 195
A company has a compliance requirement to encrypt data in transit and at rest The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes.
Which combination of AWS services should the company use to stay compliant with this requirement? (Select TWO.)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 196
Which of the following is a fully managed MySQL-compatible database?

A. Amazon S3
B. Amazon DynamoDB

C. Amazon Redshift

D. Amazon Aurora

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 197
Which AWS benefit enables users to deploy cloud infrastructure that consists of multiple geographic regions connected by a network with low latency high throughput, and redundancy?

A. Economies of scale

B. Security

C. Elasticity

D. Global reach

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 198
A company wants to improve the overall availability and performance of its applications that are hosted on AWS. Which AWS service should the company use?

A. Amazon Connect

B. Amazon Lightsail

C. AWS Global Accelerator

D. AWS Storage Gateway

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 199
A user needs a relational database but does not have the resources to manage the hardware, resiliency, and replication Which AWS service option meets the user's requirements?

A. Run MySQL on Amazon Elastic Container Service (Amazon ECS)

B. Run MySQL on Amazon EC2

C. Choose Amazon RDS for MySQL

D. Choose Amazon ElastiCache for Redis

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 200
An online retail company has seasonal sales spikes several times a year, primarily around holidays.
Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season.
Which advantages of moving to the AWS Cloud would MOST benefit the company? (Select TWO.)

A. Global footprint

B. Elasticity

C. AWS service quotas

D. AWS shared responsibility model

E. Pay-as-you-go pricing

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 201
A company is releasing a business-critical application. Before the release, the company needs strategic planning assistance from AWS. During the release, the company needs AWS infrastructure event management and real-time support.
What should the company do to meet these requirements?

A. Access AWS Trusted Advisor

B. Contact the AWS Partner Network (APN)

C. Sign up for AWS Enterprise Support

D. Contact AWS Professional Services

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 202
Which AWS services or features can a company use to connect the network of its on-premises data center to AWS? (Select Two.)

A. AWS VPN

B. AWS Directory Service

C. AWS Data Pipeline

D. AWS Direct Connect

E. AWS CloudHSM

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 203
A retail company wants to provision only the necessary amount of resources to handle the current demand.
Which cloud benefit is the company trying to achieve with this goal?

A. Reliability

B. Global reach

C. Scalability

D. High availability

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 204
Which databases are available on Amazon RDS? (Select Two.)

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

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 205
Service control policies (SCPs) manage permissions for which of the following?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 206
Which feature can be used to protect Amazon S3 buckets from accidental overwrites or deletes?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 207
A company previously lost data that was stored in an on-premises data center. To protect against future 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 an format that supports data restoration.
Which AWS service should the company use to meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 208
An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys.
What is the SIMPLEST way to provide this information?

A. Create an IAM user account for the auditor, granting the auditor administrator permissions

B. take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor

C. Download the IAM credential report, then provide the report to the auditor

D. Download the AWS Trusted Advisor report, then provide the report to the auditor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 209
A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order.
Which AWS service should the company use?

A. AWS step Functions

B. Amazon Simple Notification Service (Amazon SNS)

C. Amazon Kinesis Data Streams

D. Amazon Simple Queue Service (Amazon SQS)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 210
A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speeds.
Which AWS service meets these requirements?

A. Amazon CloudFront

B. Elastic Load Balancing

C. Amazon S3

D. Amazon Elastic Transcoder

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 211
A company is expecting a short-term spike in internet traffic for its application. During the traffic increase, the application cannot be interrupted. The company also needs to minimize cost and maximize flexibility.
Which Amazon EC2 instance type should the company use to meet these requirements?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 212
A company uses Amazon DynamoDB in its AWS cloud architecture.
According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Select Two.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 213
A company wants to rightsize its infrastructure to control costs. At which points should the company rightsize? (Select Two.)

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

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 214
Which AWS service or feature allows a user to set up consolidated billing?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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

QUESTION 215
A company's traffic logs show that IP addresses owned by AWS are being used in an attempt to flood ports on system resources.
To whole should the cloud practitioner report this issue?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 216
An IT department provisions more servers than are needed to run a workload.
Which cloud architecture design principle supports changing this approach?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 217
A company needs general architectural guidance about how to use AWS services for various use cases, workloads, and applications. What is the LEAST expensive AWS Support plan that provides this guidance?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 218
A user should contact the AWS Abuse team to report which situations? (Select Two.)

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 219
When an Amazon EC2 instance is terminated, which AWS service can identify the user that made the API call?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 220
A company is using multiple Availability Zones to deploy AWS Cloud architecture.
Which design principle of the AWS Well-Architected Framework does this example represent?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 221
Which AWS Cloud benefit is shown by an architecture's ability to withstand failures with minimal downtime?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 222
A company uses Amazon S3 buckets. One of the company's dependents enabled S3 Cross-Region Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual.
Which AWS service or feature can the company use to confirm that the cost increase was caused by the data replication?

A. Consolidated billing

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 223
A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers.
How can the company meet this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 224
Which AWS services or features enable users to connect on-premises networks to a VPC? (Select Two.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 225
A company is required to store its data close to its primary users.
Which benefit of the AWS Cloud supports this requirement?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 226
A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.
Which AWS service meets these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 227
Elasticity in the AWS Cloud refers to which of the following? (Select Two.)

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

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 228
A company with AWS Enterprise Support has questions about its consolidated bill.
Which AWS service, feature, or tool should the company use for assistance?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 229
A company runs its business-critical web application on Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB. The workload spikes up to 10 times the normal workload multiple times during the day.
Which AWS Cloud feature enables the company to meet these changes in demand?

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

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 230
Which guidelines are key AWS architectural design principles? (Select Two.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 231
Using Amazon Elastic Container Service (Amazon ECS) to break down a monolithic architecture into microservices is an example of:

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 232
A media company uploads audio and video files to a centralized Amazon S3 bucket from locations that are geographically dispersed.
Which AWS solution will optimize transfer speeds for these files?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 233
A company wants to migrate to AWS and use the same security software it uses on premises. The security software vendor offers its security software as a service on AWS.
Where can the company purchase the security solution?

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

D. AWS Marketplace

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 234
A company is removing its office and must establish an encrypted connection to AWS.
Which AWS service will help meet this requirement?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 235
Which AWS service or resource helps on-premises applications connect to AWS Cloud-based storage and caches the data locally for low-latency access?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS Storage Gateway is a set of hybrid cloud services that gives you on-premises access to virtually unlimited cloud storage. Customers use Storage Gateway to integrate AWS Cloud storage with existing on-site workloads so they can simplify storage management and reduce costs for key hybrid cloud storage use cases. These include moving backups to the cloud, using on-premises file shares backed by cloud storage, and providing low latency access to data in AWS for on-premises applications.
To support these use cases, Storage Gateway offers four different types of gateways – Amazon S3 File Gateway, Amazon FSx File Gateway, Tape Gateway, and Volume Gateway – that seamlessly connect on-premises applications with cloud storage. Moving data to the cloud for advanced AWS Cloud storage capabilities and caching data locally for low-latency access gives you the best of cloud and on-premises. Applications connect to the service through a virtual machine or gateway hardware appliance using standard storage protocols, such as NFS, SMB, and iSCSI. The gateway connects to AWS storage services, such as Amazon S3, Amazon S3 Glacier, Amazon S3 Glacier Deep Archive, Amazon FSx for Windows File Server, Amazon EBS, and AWS Backup, providing storage and data management for files, volumes, snapshots, and virtual tapes in AWS. The service includes an optimized and efficient data transfer mechanism, with bandwidth management and automated network resilience, and provides a consistent management experience using the AWS Console onpremises and in the AWS Cloud.

QUESTION 236
A company needs to improve the response rate of high-volume queries to its relational database.
Which AWS service should the company use to offload requests to the database and improve overall response times?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 237
A company needs to perform a one-time migration of 40 TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity.
Which AWS service will meet these requirements?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 238
A database administrator is trying to determine who deleted a critical Amazon Redshift cluster.
Which AWS service helps with monitoring and retaining this type of account activity?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 239
Which of the following are user authentication services managed by AWS? (Select Two.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 240
A company hosts a web application on Amazon EC2 instances. The application requires credentials so that it can access other AWS services.
Which feature should the company use the provide this access?

A. IAM users
B. IAM groups

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 241
Which tool or feature provides a report to forecast AWS billing costs for the next 3 months?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 242
Which pillar of the AWS Well-Architected Framework includes the AWS shared responsibility model?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 243
What does the AWS cloud provide to increase the speed and agility of execution for customers?
(Select Two.)

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

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 244
Which of the following are customer responsibilities under the AWS shared responsibility model?

(Select Two.)

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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 245
Which pillar of the AWS Well-Architected Framework specifies that resources be provisioned in a timely manner and scale as needed to maintain effectiveness as demand changes?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 246
Which of the following is the responsibility of both AWS and the customer, according to the AWS shared responsibility model?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 247
The AWS IAM best practice for granting least privilege is to:

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 248
Which AWS service should a company use to provide its employees with access to the AWS Management Console?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 249
Which AWS service can be used to encrypt data at rest?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 250
Which services can be used to deploy applications on AWS? (Select Two.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 251
Which AWS service or feature provides a platform for building cloud-based customer service contact centers?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 252
Which AWS service is a highly available and scalable DNS web service?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 253
Which tool can be used to identify scheduled changes to the AWS infrastructure?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 254
A company needs a persistent cloud environment for development and testing for a project that will run for 3 months.
Which Amazon EC2 instance purchasing option meets these requirements MOST cost-effectively?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 255
Which AWS Support plan is recommended for business and mission-critical workloads in AWS environments?

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

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 256
A large company is using the AWS Cloud for its business units. Each business until uses one VPC for each business application. The company is acquiring other companies that have their own VPCs that run new applications. The company needs to manage connectivity between its existing VPCs and the newly acquired VPCs.
Which AWS service can the company use to meet this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 257
Which AWS service is delivered regionally?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 258
A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.
Which AWS architectural approach will MOST effectively support these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 259
A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.
Which AWS services or resources should the company use? (Select Two.)

A. Amazon Pinpoint
B. Amazon WorkLink

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 260
A user can increase operational efficiency in the AWS Cloud by.

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 261
Which of the following are AWS Support plans that provide access to the full set of AWS Trusted Advisor checks? (Select Two.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 262
A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.
Which EC2 instance pricing model should the company select?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 263

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

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 264
A company has refined its workload to use specific AWS services to improve efficiency and reduce cost Which best practice for cost governance does this example show?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 265
A company is running multiple workloads in the AWS Cloud and recently began investigating ways to reduce costs. The company is already running fault-tolerant workloads on Amazon EC2 that perform periodic checkpoints in case of an outage.
Which AWS service or pricing model can provide the GREATEST cost savings?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 266
A company is building an application that needs to deliver images and videos globally with minimal latency. Which approach can the company use to accomplish this in a cost effective manner?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 267
Which of the following is a way to use Amazon EC2 Auto Scaling groups to scale capacity in the AWS Cloud?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 268
Which of the following services has a primarily encryption-related purpose?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 269
Which of the following are advantages of using Amazon EC2 instances over traditional on-premses servers? (Select TWO.)

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

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 270
A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration.
Which AWS service supports this use case?

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

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 271
Which controls are shared under the AWS shared responsibility model? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 272
A company needs to use SQL to query data from Amazon S3.
Which AWS services or features can the company use to meet this requirement? (Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 273
Which AWS service should a cloud practitioner use to identify security vulnerabilities of an AWS account?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 274
What is the LEAST expensive AWS Support plan that provides 24-hour access to AWS customer service and AWS communities?

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

D. AWS Basic Support

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 275
A company sells a device that uses automatic language recognition to respond to spoken questions The company wants to use deep learning and Natural language understanding to power this device.
Which AWS service meets these requirements?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 276
A company needs to run code in response to an event notification that occurs when objects are uploaded to an Amazon S3 bucket Which AWS service will integrate directly with the event notification?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 277
Which cloud characteristics enable a company to provision or release computing capacity as required? (Select Two.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 278
Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Topic 3, Exam Pool C

QUESTION 279
Which AWS service enables users to create copies of resources across AWS Regions?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 280
A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.
Which AWS service will provide a secure and cost-effective solution for retaining these files?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 281
Which of the following is an AWS best practice for managing an AWS account root user?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 282
A company has a compliance requirement to encrypt data in transit and at rest. The company is serving the content through Amazon EC2 instances behind an Elastic Load Balancer! and is storing data in Amazon Elastic Block Store (Amazon EBS) volumes.
Which combination of AWS services should the company use to stay compliant with this requirement? (Select TWO.)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 283
A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources Which AWS tool or service can be used to meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 284
Which of the following is a software development framework that a company can use to define cloud resources as code and provision the resources through AWS CloudFormation?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 285
A company uses Amazon EC2 instances and wants to maintain high availability in geographically distributed locations Which choice should the company make for the location of its EC2 instances?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 286
A company wants guidance to optimize the cost and performance of its current AWS environment.
Which AWS service or tool should the company use to identify areas for optimization?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 287
Which AWS service or tool allows users to visualize, understand, and manage AWS costs and usage over time?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 288
Under the AWS shared responsibility model which task is the customer's responsibility when managing AWS Lambda functions?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 289
Which AWS service is a fully hosted version control service?

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

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 290
Which IPv4 internet address for Amazon EC2 instances is billed at an hourly rate?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 291
Which activity is considered out of scope for AWS Support?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 292
What are the benefits of consolidated billing for AWS Cloud services? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 293
A company has decided to migrate its production workloads to the AWS Cloud.
Which actions can help reduce operational costs as part of the migration? (Select TWO.)

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

D. Use managed services
E. Improve application security

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 294
Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceeds a certain threshold?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 295
A company spends several months upgrading its on-premises infrastructure every few years The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud.
What is the main benefit of migrating to the AWS Cloud for this use case?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 296
Which Amazon EC2 pricing model provides the MOST cost savings for an always-up, right-sized database server running for a project that will last 1 year?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 297
A company wants to use an AWS service to continuously monitor the health of its application endpoints based on proximity to application users. The company also needs to route traffic to healthy Regional endpoints and to improve application availability and performance.

Which service will meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices.
Amazon CloudWatch is a monitoring and management service that provides data and actionable insights for AWS, hybrid, and on-premises applications and infrastructure resources. With CloudWatch, you can collect and access all your performance and operational data in form of logs and metrics from a single platform.
AWS Global Accelerator uses the vast, congestion-free AWS global network to route TCP and UDP traffic to a healthy application endpoint in the closest AWS Region to the user. If there's an application failure, AWS Global Accelerator provides instant failover to the next best endpoint.
CloudFormation creates a bucket for each region in which you upload a template file. The buckets are accessible to anyone with Amazon Simple Storage Service (Amazon S3) permissions in your AWS account. If a bucket created by CloudFormation is already present, the template is added to that bucket.

QUESTION 298
A company recently migrated data from on premises to Amazon Aurora.
How does the AWS shared responsibility model apply to this use case?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 299
Which AWS Trusted Advisor category contains information about high AWS service usage that could restrict the deployment of additional AWS resources?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 300
Which AWS service or tool should a company use to centrally request and track service limit increases?

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

D. AWS Budgets

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 301
Which AWS service offers the LEAST expensive means of storing static images?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 302
Which guideline is a well-architected design principle for building cloud applications?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 303
A developer is writing a new application that consists of multiple AWS microservices During quality assurance testing, the developer notices runtime errors in several areas of the application.
Which AWS service should the developer use to help troubleshoot the errors?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 304
What are characteristics of AWS IAM users and groups? (Select TWO.)

A. Groups can be nested and can contain other groups

B. A user can be a member of multiple groups

C. Groups can contain users only and cannot be nested

D. A user can only be a member of a single group at one time

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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 305
A company recently created its first AWS account.
Which AWS services will require the use of a VPC? (Select TWO.)

A. Amazon S3

B. Amazon Elastic File System (Amazon EFS)

C. Amazon Cognito

D. Amazon DynamoDB

E. Amazon EC2

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 306
Which of the following is an AWS value proposition that describes a user's ability to scale infrastructure based on demand?

A. Speed of innovation

B. Resource elasticity

C. Decoupled architecture

D. Global deployment

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 307
Which guidelines are best practices for using AWS Identity and Access Management (IAM)? (Select TWO.)

A. Share access keys

B. Create individual IAM users

C. Use inline policies instead of customer managed policies

D. Grant maximum privileges to IAM users

E. Use groups to assign permissions to IAM users

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 308
Which AWS service can be used to run Amazon EC2 instances on-premises at a user site?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 309
A company wants to archive its media data as soon as the data is generated. The company needs to store the data for several years Two or three times each year the company must access some of the data within 10 minutes of a request.
Which Amazon S3 solution will meet these requirements MOST cost-effectively?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 310
Which security service automatically recognizes and classifies sensitive data or intellectual property on AWS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Amazon Macie is a fully managed data security and data privacy service that uses machine learning and pattern matching to discover and protect your sensitive data in AWS.
As organizations manage growing volumes of data, identifying and protecting their sensitive data at scale can become increasingly complex, expensive, and time-consuming. Amazon Macie automates the discovery of sensitive data at scale and lowers the cost of protecting your data. Macie automatically provides an inventory of Amazon S3 buckets including a list of unencrypted buckets, publicly accessible buckets, and buckets shared with AWS accounts outside those you have defined in AWS Organizations. Then, Macie applies machine learning and pattern matching techniques to the buckets you select to identify and alert you to sensitive data, such as personally identifiable information (PII).
Macie's alerts, or findings, can be searched and filtered in the AWS Management Console and sent to Amazon EventBridge, formerly called Amazon CloudWatch Events, for easy integration with existing workflow or event management systems, or to be used in combination with AWS services, such as AWS Step Functions to take automated remediation actions. This can help you meet regulations, such as the Health Insurance Portability and Accountability Act (HIPAA) and General Data Privacy Regulation (GDPR). You can get started with Amazon Macie by leveraging the 30-day free trial for bucket evaluation. The trial includes 30-days of Amazon S3 bucket inventory and bucket-level security and access control assessment at no cost. Note that sensitive data discovery is not included in the 30-day free trial for bucket evaluation.
Benefits
Discover your sensitive data at scale
Amazon Macie uses machine learning and pattern matching to cost efficiently discover sensitive data at scale. Macie automatically detects a large and growing list of sensitive data types, including personal identifiable information (PII) such as names, addresses, and credit card numbers. The service also allows you to define your own custom sensitive data types so you can discover and protect the sensitive data that may be unique to your business or use case.
Visibility of your data security posture

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

Easy to setup and manage

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

QUESTION 311
A user wants to identify any security group that is allowing unrestricted incoming SSH traffic Which AWS service can be used to accomplish this goal?

A. Amazon Cognito

B. AWS Shield

C. Amazon Macie

D. AWS Trusted Advisor

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 312
A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported tor management review.
Which AWS service or feature should be used to accomplish these tasks?

A. Cost Explorer

B. Amazon QuickSight

C. AWS Pricing Calculator

D. AWS Budgets

Correct Answer: B
Section: (none)
Explanation

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

QUESTION 313
Which AWS service automatically handles application health monitoring?

A. Amazon API Gateway

B. AWS Elastic Beanstalk

C. AWS Lambda

D. AWS Config

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 314
Which AWS service gives users the ability to find, buy, and immediately start using third-party software solutions in their AWS environments?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 315
Which of the following security resources are supplied by AWS? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 316
Which of the following are benefits of using AWS Trusted Advisor? (Choose two.)

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

Correct Answer: CD
Section: (none)
Explanation

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

QUESTION 317
A company's information security manager is supervising a move to AWS and wants to ensure that AWS best practices are followed. The manager has concerns about the potential misuse of AWS account root user credentials.
Which of the following is an AWS best practice for using the AWS account root user credentials?

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

Correct Answer: C
Section: (none)
Explanation

QUESTION 318
A company is building a web application and needs to test the application across different mobile devices and desktop browsers Which AWS service should the company use for this testing?

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

Correct Answer: D
Section: (none)
Explanation

QUESTION 319
A company wants to build an application for a new line of business.
According to the AWS Welt-Architected Framework, what design principles should be implemented?
(Select TWO.)

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

Correct Answer: AE
Section: (none)
Explanation

QUESTION 320
Which actions should a company take to avoid failure in an AWS architecture design? (Select TWO)

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

Correct Answer: AE
Section: (none)
Explanation

QUESTION 321
A user deploys an Amazon RDS DB instance in multiple Availability Zones This strategy involves which pillar of the AWS Well-Architected Framework?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 322
Which AWS service or tool provides information about the utilization of Reserved Instances?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 323
A company has a workload that requires data to be collected, analyzed and stored on premises The company wants to extend the use of AWS services to run on premises with access to the company network and the company's VPC.
Which AWS service meets this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 324
Which AWS feature grants temporary access to specific AWS resources?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 325
A company wants to use AWS storage services that support data lifecycle management to reduce the cost of storing files that are not accessed frequently.
Which AWS services meets these requirements? (Select TWO.)

A. Amazon FSx

B. Amazon Elastic Block Store (Amazon EBS)

C. Amazon Elastic File System (Amazon EFS)

D. Amazon S3

E. AWS Snowball

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 326
Which of the following acts as an instance-level firewall to control inbound and outbound access?

A. Network access control list

B. Security groups

C. AWS Trusted Advisor

D. Virtual private gateways

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 327
A company chooses an Amazon EC2 instance type that fits its usage requirements Which principle of the AWS Well-Architected Framework is the company following?

A. Proactively monitor costs

B. Rightsize the infrastructure

C. Supply resources dynamically.

D. Decommission unused resources

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 328
Which of the following can an AWS customer use to launch a new Amazon Relational Database Service (Amazon RDS) cluster? (Select TWO.)

A. AWS Concierge

B. AWS CloudFormation

C. Amazon Simple Storage Service (Amazon S3)

D. Amazon EC2 Auto Scaling

E. AWS Management Console

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 329

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

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 330
A user is comparing purchase options for an application that runs on Amazon EC2 and Amazon RDS.
The application cannot sustain any interruption The application experiences a predictable amount of usage, including some seasonal spikes that last only a few weeks at a time It is not possible to modify the application.
Which purchase option meets these requirements MOST cost-effectively?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 331
A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.
What is the best cloud architecture to address this consistently growing demand?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 332
Which of the following AWS Cloud services can be used to run a customer-managed relational database?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 333
A company wants optimized pricing for its Amazon EC2 instances. The applications running on these instances cannot tolerate interruptions, and the workloads must remain in operation for at least 1 year.
Which purchasing options should the company use to meet these requirements? (Select TWO.)

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

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 334
Which AWS Weil-Architected Framework design principles support disaster recovery planning?
(Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 335
A company wants to integrate its online shopping website with social media login credentials Which AWS service can the company use to make this integration?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 336
Amazon Elastic File System (Amazon EFS) and Amazon FSx offer which type of storage?

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

D. instance store

Correct Answer: A
Section: (none)
Explanation

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

QUESTION 337
A company is designing AWS architecture that will add compute resources when the company needs them. The architecture also includes a disaster recovery plan with automatic failover Which pillar of the AWS Well-Architected Framework does this architecture represent?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 338
What is the LEAST expensive AWS Support plan that provides users with technical phone supports?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 339
A company wants to establish an encrypted network connection between applications at its onpremises data center and the applications that run in its AWS account. The connection must be over the public internet.
Which AWS service can the company use to meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 340

Which AWS service provides managed DDoS protection?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 341
An online retail company is having a sale next month that will generate an increase in traffic for the company's application. The company plans to add new Amazon EC2 instances to support the increased demand on the application. The application must be able to accommodate the increase in traffic and cannot experience any downtime.
Which EC2 instance purchasing option will meet these requirements at the LOWEST cost?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 342
A company plans to store sensitive data in an Amazon S3 bucket. Which task is the responsibility of AWS?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 343
A company is increasing the load on its Amazon RDS DB instance by generating reports How can the company reduce the load on the DB instance?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 344
A company runs Amazon EC2 instances in a research lab The instances run for 3 hours each week and cannot be interrupted What is the MOST cost-effective instance purchasing option to meet these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 345
A company runs Amazon EC2 instances in a research lab The instances run for 3 hours each week and cannot be interrupted What is the MOST cost-effective instance purchasing option to meet these requirements?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 346
A company wants to add a layer of security beyond user names and passwords to make the login to the AWS Management Console more secure.
Which AWS service or feature can the company use to meet this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 347
Which AWS service or feature allows a company to visualize, understand, and manage AWS costs and usage over time?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 348
An e-learning platform needs to run an application for 2 months each year The application will be deployed on Amazon EC2 instances. Any application downtime during those 2 months must be avoided.
Which EC2 purchasing option will meet these requirements MOST cost-effectively?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 349
Which AWS service or tool helps identify underutilized Amazon EC2 instances and idle Amazon RDS DB instances at no additional charge?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 350
Which AWS service can identify underutilized Amazon EC2 instances and idle Amazon RDS DB instances in an AWS account?

A. Amazon Inspector
B. AWS Trusted Advisor
C. Amazon Detective
D. AWS Data Exchange

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 351
Which AWS service gives users the ability to develop loosely coupled microservices and improve service-to-service communication?

A. AWS Service Catalog
B. AWS Direct Connect
C. Amazon EventBridge (Amazon CloudWatch Events)
D. Amazon CloudWatch Logs

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 352
Which action will provide documentation to help a company evaluate whether its use of the AWS Cloud is compliant with local regulatory standards?

A. Running Amazon GuardDuty
B. Using AWS Artifact
C. Creating an AWS Support ticket
D. Evaluating AWS CloudTrail logs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 353
A company is investigating the possibility of keeping some services in its on-premises data center and having some resources in the AWS Cloud. The company currently accesses AWS over the public internet.
Which AWS service or feature will facilitate private connectivity between the on-premises servers and the AWS resources?

A. NAT gateway
B. AWS Direct Connect
C. Amazon S3 Transfer Acceleration
D. AWS WAF

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 354
Which AWS service has a feature to analyze real-time data as the data is streamed into AWS data storage systems?

A. Amazon Simple Queue Service (Amazon SQS)
B. Amazon Kinesis
C. Amazon Athena
D. Amazon S3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Amazon Kinesis makes it easy to collect, process, and analyze real-time, streaming data so you can get timely insights and react quickly to new information. Amazon Kinesis offers key capabilities to cost-effectively process streaming data at any scale, along with the flexibility to choose the tools that best suit the requirements of your application. With Amazon Kinesis, you can ingest real-time data such as video, audio, application logs, website clickstreams, and IoT telemetry data for machine learning, analytics, and other applications. Amazon Kinesis enables you to process and analyze data as it arrives and respond instantly instead of having to wait until all your data is collected before the processing can begin.

QUESTION 355
A developer needs to access AWS resources from the AWS CLI.
Which feature in AWS Identity and Access Management (IAM) can the developer use for authentication?

A. IAM access keys
B. IAM policy
C. IAM role
D. Account password policy

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 356
A company is moving its development and test environments to AWS to increase agility and reduce cost Because these are not production workloads and the servers are not fully utilized and acceptable.
What is the MOST cost-effective Amazon EC2 pricing model that will meet these requirements?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
On-demand – The Most Flexible. As the name implies, on-demand is the most flexible, pay-as-you-go pricing option. With on-demand instances, you pay for compute capacity on an hourly or per second basis and only pay for the EC2 instances you actually use.

QUESTION 357
A company is connecting multiple VPCs and on-premises networks. The company needs to use an AWS service as a cloud router to simplify peering relationships. Which AWS service can the company use to meet this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 358
A company is using on-premises Microsoft Active Directory federation to manage user identities and groups.
What AWS Identity and Access Management (IAM) setting maps the permissions for AWS services to the Active Directory user attributes?

A. IAM users
B. IAM access keys
C. IAM roles
D. IAM groups

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

Explanation/Reference:

Explanation:
How to Connect Your On-Premises Active Directory to AWS Using AD Connector Assign users to roles Now that AD Connector is configured and you've created a role, your next job is to assign users or groups to those IAM roles. Role mapping is what governs what resources a user has access to within AWS. To do this you'll need to:
Open the Directory Service console, and click the link to Manage Access.

Click Create New Role.
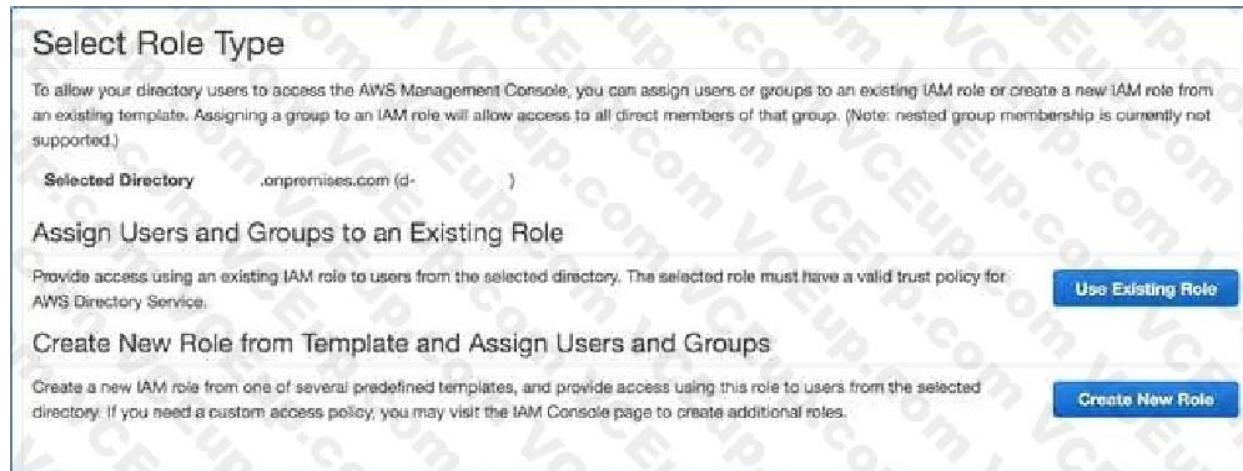
Click Use Existing Role. Note: If you've already assigned Active Directory users or groups to a role, you will be able to modify their membership by clicking the link for the role in the Directory Service console.
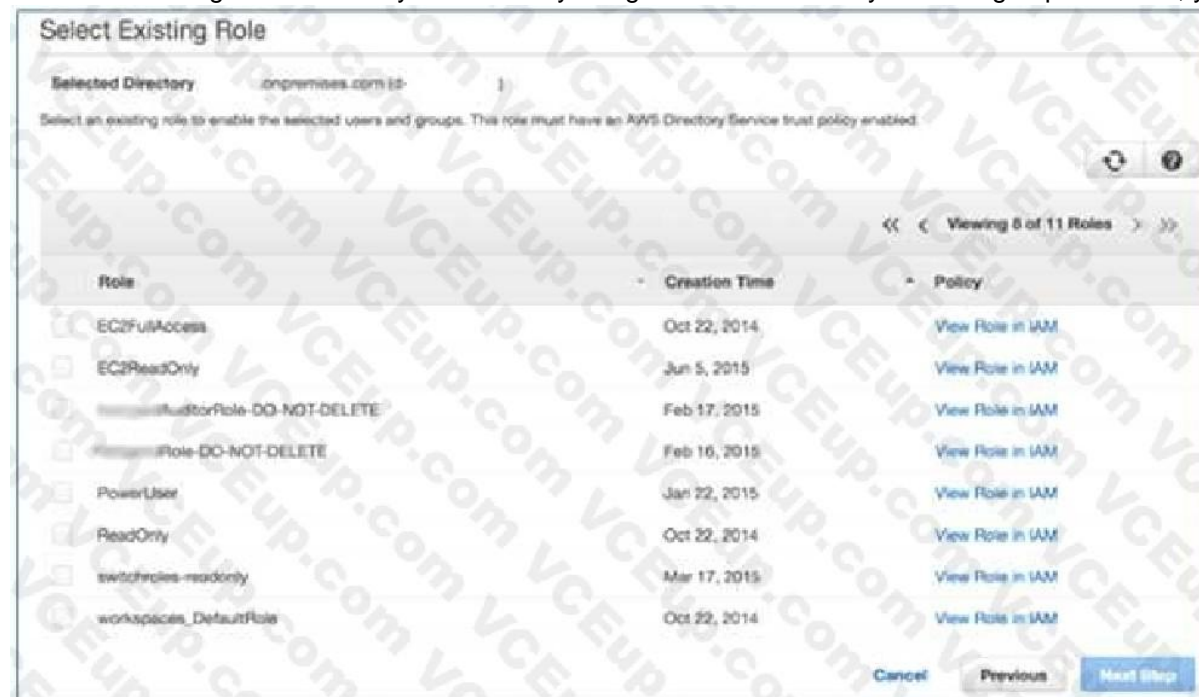
Select a role from the list, and then click Next Step.

Select Users/Groups

Selected Directory .onpremises.com (d-)

Role EC2ReadOnly

Search for: ● User ○ Group

test

test_user01 (test user)

Users and Groups to Add

Name	Id	Type

Type the name of an Active Directory user or group in the search field.
Click Next Step.
Click Create Role Assignments.

Review User and Group to Role Assignments

Selected Directory .onpremises.com (d-)

Role EC2ReadOnly

ARN arn:aws:iam::482242153642:role/EC2ReadOnly

Users and Groups to Add

Name	Id	Type
test_user01 (test user)	S-1-5-21-2904913218-1487861250-400737934-1107	User

When you're finished you should see the name of the user or group along with the corresponding Id for that object, as shown in the previous image.
The next time the user signs in to the AWS Management Console from the custom sign-in page, they will be signed in under the EC2ReadOnly security role.

Seamlessly join an instance to an Active Directory domain
Another advantage to using AD Connector is the ability to seamlessly join Windows (EC2) instances to your Active Directory domain. You may have read about this feature in the AWS Blog earlier this year. It's what allows you to join a Windows Server to the domain while the instance is being provisioned instead of using a script or doing it manually. This section of this blog post will explain the steps necessary to enable this feature in your environment and how the service works.
Step 1: Create a role
Until recently you had to manually create an IAM policy to allow an EC2 instance to access the SSM, an AWS service that allows you to configure Windows instances while they're running and on first launch. Now, there's a managed policy called AmazonEC2RoleforSSM that you can use instead. The role you are about to create will be assigned to an EC2 instance when it's provisioned, which will grant it permission to access the SSM service.
To create the role:
Open the IAM console.
Click Roles in the navigation pane.
Click Create Role.
Type a name for your role in the Role Name field.
Under AWS Service Roles, select Amazon EC2 and then click Select.
On the Attach Policy page, select AmazonEC2RoleforSSM and then click Next Step.
On the Review page, click Create Role.

QUESTION 359

Which AWS Support solution provides additional AWS technical support for critical customer events, such as new product launches?

A. AWS Personal Health Dashboard
B. Infrastructure event management
C. Management business reviews
D. AWS Developer Support

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS Personal Health Dashboard is available for free to all AWS customers. AWS Health API is available to customers with Business or Enterprise Support subscriptions.

QUESTION 360
Which documentation does AWS Artifact provide?

A. Amazon EC2 terms and conditions
B. AWS ISO certifications
C. A history of a company's AWS spending
D. A list of previous-generation Amazon EC2 instance types

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 361
A company is managing millions of documents in hundreds of Amazon S3 buckets that are located in multiple AWS Regions. The company needs to find out if the S3 buckets are hosting information (PII).
What can the company do to meet this requirement with the LEAST amount of operational overhead?

A. Use Amazon Detective to identify any PII that is stored in the S3 buckets
B. Use AWS Trusted Advisor to generate PII notifications
C. Use Amazon Macie to identify and provide alerts about PII
D. Use AWS Lambda functions to review each file in the S3 buckets to identify PII

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Macie automatically detects a large and growing list of sensitive data types, including personally identifiable information (PII) such as names, addresses, and credit card numbers. It also gives you constant visibility of the data security and data privacy of your data stored in Amazon S3.

QUESTION 362
Which statement describes a characteristic of the AWS global infrastructure?

A. Edge locations contain multiple AWS Regions
B. AWS Regions contain multiple Regional edge caches
C. Availability Zones contain multiple data centers
D. Each data center contains multiple edge locations

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 363
Which AWS services or features help protect Amazon EC2 instances from DDoS attacks by limiting network access to the instances? (Select TWO.)

A. Network ACLs
B. AWS Batch
C. Security groups
D. AWS Identity and Access Management (IAM)
E. AWS CloudHSM

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 364
Which AWS services can a company use to transfer on-premises data to the AWS Cloud? (Select TWO.)

A. AWS Snowcone
B. AWS Transit Gateway
C. AWS DataSync
D. AWS Backup
E. Amazon Connect

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS Snowcone is the smallest member of the AWS Snow Family of edge computing, edge storage, and data transfer devices, weighing in at 4.5 pounds (2.1 kg) with 8 terabytes of usable storage. ...
Snowcone is ruggedized, secure, and purpose-built for use outside of a traditional data center.
AWS Transit Gateway connects VPCs and on-premises networks through a central hub. This simplifies your network and puts an end to complex peering relationships. It acts as a cloud router – each new connection is only made once.
AWS DataSync is an online data transfer service that simplifies, automates, and accelerates moving data between on-premises storage systems and AWS Storage services, as well as between AWS Storage services.
AWS Backup provides a centralized console to automate and manage backups across AWS services.
AWS Backup supports Amazon EBS, Amazon RDS, Amazon DynamoDB, Amazon EFS, Amazon FSx, Amazon EC2, and AWS Storage Gateway, to enable you to backup key data stores, such as your storage volumes, databases, and file systems.
Amazon Connect is an easy to use omnichannel cloud contact center that helps you provide superior customer service at a lower cost. Designed from the ground up to be omnichannel, Amazon Connect provides a seamless experience across voice and chat for your customers and agents.

QUESTION 365
A company wants to configure its AWS resources so that the resources can be easily deployed across different AWS Regions. The company wants the deployment to be as automated as. Which AWS service will meet these requirements?

A. AWS CodeBuild
B. AWS CodePipeline
C. AWS CloudFormation
D. Amazon CloudWatch

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Using AWS CodePipeline and AWS CloudFormation, you can use continuous delivery to automatically build and test changes to your AWS CloudFormation stacks before promoting them to production stacks. This release process lets you rapidly and reliably make changes to your AWS infrastructure.
WS CloudFormation provides users with a simple way to create and manage a collection of Amazon Web Services (AWS) resources by provisioning and updating them in a predictable way. AWS CloudFormation enables you to manage your complete infrastructure or AWS resources in a text file.

QUESTION 366
What tasks should a customer perform when that customer suspects an AWS account has been compromised? (Choose two.)

A. Rotate and delete all AWS access keys.
B. Remove any multi-factor authentication (MFA) tokens
C. Move resources to a different AWS Region.
D. Delete AWS CloudTrail Resources.
E. Contact AWS Support.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 367
Which AWS service provides users with recommendations for improving the quality of an application's code, and identifies the most expensive lines of code?

A. AWS CodeBuild
B. AWS CodeStar
C. Amazon CodeGuru
D. AWS CodeDeploy

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Amazon CodeGuru is a developer tool that provides intelligent recommendations to improve code quality and identifying an application's most expensive lines of code.

QUESTION 368
A company wants to secure its consumer web application by using SSL/TLS to encrypt traffic. Which AWS service can the company use to meet this goal?

A. AWS WAF
B. AWS Shield
C. Amazon VPC
D. AWS Certificate Manager (ACM)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
WS Certificate Manager is a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services and your internal connected resources. SSL/TLS certificates are used to secure network communications and establish the identity of websites over the Internet as well as resources on private networks. AWS Certificate Manager removes the time-consuming manual process of purchasing, uploading, and renewing SSL/TLS certificates.
With AWS Certificate Manager, you can quickly request a certificate, deploy it on ACM-integrated AWS resources, such as Elastic Load Balancers, Amazon CloudFront distributions, and APIs on API Gateway, and let AWS Certificate Manager handle certificate renewals. It also enables you to create private certificates for your internal resources and manage the certificate lifecycle centrally. Public and private certificates provisioned through AWS Certificate Manager for use with ACM-integrated services are free. You pay only for the AWS resources you create to run your application. With AWS Certificate Manager Private Certificate Authority, you pay monthly for the operation of the private CA and for the private certificates you issue.

QUESTION 369

Which AWS service supports a company's ability to treat infrastructure as code?

A. AWS CodeDeploy
B. AWS Elastic Beanstalk
C. Amazon API Gateway
D. AWS CloudFormation

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code.

QUESTION 370
Which AWS services can host PostgreSQL databases? (Select TWO.)

A. Amazon S3
B. Amazon Aurora
C. Amazon EC2
D. Amazon Elasticsearch Service (Amazon ES)
E. Amazon Elastic File System (Amazon EFS)

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 371
A company needs to use AWS technology to deploy a static website.
Which solution meets this requirement with the LEAST amount of operational overhead?

A. Deploy the website on Amazon EC2.
B. Host the website on AWS Elastic Beanstalk.
C. Deploy the website with Amazon Lightsail.
D. Host the website on Amazon S3.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 372
Which task is a customer's responsibility, according to the AWS shared responsibility model?

A. Management of the guest operating systems
B. Maintenance of the configuration of infrastructure devices
C. Management of the host operating systems and virtualization
D. Maintenance of the software that powers Availability Zones

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 373
A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI). Which actions can a system administrator take to connect to the EC2 instance? (Select TWO.)

A. Use Amazon EC2 Instance Connect.
B. Use a Remote Desktop Protocol (RDP) connection.
C. Use AWS Batch.
D. Use AWS Systems Manager Session Manager.
E. Use Amazon Connect.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 374
What is the recommended use case for Amazon EC2 On-Demand Instances?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
On-Demand: This is the default, pay as you go pricing model. When you use resources (for example, EC2 instances or services such as DynamoDB on demand) you pay a flat rate, and you have no longterm commitments. You can increase or decrease the capacity of your resources or services based on the demands of your application. On-Demand has an hourly rate, but depending on the service, can be billed in increments of 1 second (for example Amazon RDS, or Linux EC2 instances). On demand is recommended for applications with short-term workloads (for example, a four-month project), that spike periodically, or unpredictable workloads that can't be interrupted. On demand is also suitable for workloads, such as pre-production environments, which require uninterrupted runtimes, but do not run long enough for a commitment discount (Savings Plans or Reserved Instances).

QUESTION 375
A social media company allows its public users to upload video content to an Amazon S3 bucket.
Some videos are popular and are accessed often. some videos are popular and are accessed often. some videos are accessed infrequently. The company wants to reduce its total storage cost.
Which actions will provide the MOST cost savings? (Select TWO.)

A. Run S3 Transfer Acceleration for the S3 bucket.
B. Ensure that the S3 bucket is in the most cost-effective AWS Region.
C. Deactivate the default encryption for the S3 bucket.
D. Use the S3 Intelligent-Tiering storage class.
E. Use AWS DataSync to transfer files to the S3 bucket.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 376
Which AWS service or feature provides an online, managed software catalog that helps users purchase and deploy third-party software?

A. AWS Support
B. AWS Marketplace
C. Amazon EC2 private Amazon Machine Images (AMIs)
D. AWS reseller programs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 377
Which task can a user complete by using AWS Identity and Access Management (IAM)?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 378
Which of the following are characteristics of serverless application that runs in the AWS Cloud?
(Select Two.)

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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 379
A company suspects that its AWS resources are being used for harmful network activities, including port scanning and malware distribution.

A. AWS Abuse team
B. AWS technical account manager (TAM)
C. AWS Concierge Support
D. AWS Support team

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 380
Which of the following are aspects of the AWS shared responsibility model? (Select Two.)

A. Configuration management of infrastructure devices is the customer's responsibility
B. For Amazon S3, AWS operates the infrastructure layer, the operating systems, and the platforms
C. AWS is responsible for protecting the physical cloud infrastructure
D. AWS is responsible for training the customer's employees on AWS product and services
E. For Amazon EC2, AWS is responsible for maintaining the guest operating system

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 381
A developer wants to use an Amazon S3 bucket to store application logs that contain sensitive dat a. Which AWS service or feature should the developer use to restrict read and write access to the S3 bucket?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 382
Which benefit is always free of charge with AWS, regardless of a user's AWS support plan?

A. AWS Developer Support
B. AWS Developer Forums
C. Programmatic case management
D. AWS technical account manager (TAM)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 383
What is the MINIMUM AWS Support plan that offers a response time of less than 15 times for a business-critical outage?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 384
Which of the following are advantages of the AWS Cloud? (Select Two.)

A. AWS manages all the security within the cloud
B. Expenses never change from month to month
C. Users can stop spending money on the maintenance of data centers
D. Users do not need to deploy applications globally
E. Users can stop guessing about resource capacity

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Trade capital expense for variable expense – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume.
Benefit from massive economies of scale – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.
Stop guessing capacity – Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often end up either sitting on expensive idle resources or dealing with limited capacity. With cloud computing, these problems go away. You can access as much or as little capacity as you need, and scale up and down as required with only a few minutes' notice.
Increase speed and agility – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.
Stop spending money running and maintaining data centers – Focus on projects that differentiate your business, not the infrastructure. Cloud computing lets you focus on your own customers, rather than on the heavy lifting of racking, stacking, and powering servers.
Go global in minutes – Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide lower latency and a better experience for your customers at minimal cost.

QUESTION 385
A company has set up its first VPC in the AWS Cloud the VPC includes two public subnets. The company needs to block access to all network traffic that destined for one of the two public subnets if the traffic is from a specific IP address that has identified as malicious.
Which AWS service or tool can the company use to meet this requirement?

A. Network ACL
B. AWS WAF
C. VPC route table entry
D. Security group

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 386
A company needs to set up a notification that provides an alert when the company's AWS account reaches a present spending limit. Which AWS service or tool can meet this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 387
A company is preparing to launching a new web store that is expected to receive high traffic for an upcoming event. The web store runs only on AWS, and the company has an AWS Enterprise Support plan. Which AWS resource will provide guidance about how the company should scale its architecture and operational support during the event?

A. AWS Abuse team
B. The designated AWS technical account manager (TAM)
C. AWS infrastructure event management
D. AWS Professional Services

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS Infrastructure Event Management (IEM) offers architecture and scaling guidance and operational support during the preparation and execution of planned events, such as shopping holidays, product launches, and migrations. For these events, AWS Infrastructure Event Management will help you assess operational readiness, identify and mitigate risks, and execute your event confidently with AWS experts by your side. The program is included in the Enterprise Support plan and is available to Business Support customers for an additional fee.

QUESTION 388
Which of the following is one of the five pillars of the AWS Well-Architected Framework?

A. Efficiency and redundancy
B. High availability
C. Operational excellence
D. Business optimization

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 389
Which AWS service can a company use to manage encryption keys in the cloud?

A. AWS License Manager
B. AWS Certificate Manager (ACM)
C. AWS CloudHSM
D. AWS Directory Service

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 390
A company sets up its AWS environment and creates eight IAM users for the development team.
Which of the following is a best practice for the company to follow to grant permissions to these IAM users?

A. Apply the principle of least privilege. Create one password, and set the password for each user.
B. Provide the development team members with AWS account root user access.
C. Apply the principle of least privilege. Attach a separate IAM policy for each individual user.
D. Apply the principle of least privilege. Grant access to an IAM group, and add the eight users to that group.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 391
A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet.
Which AWS service or feature can the company use to meet these requirements?

A. Network ACL
B. AWS WAF
C. Route table
D. Security group

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
A network access control list (ACL) is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC.

QUESTION 392
Which statements represent the cost-effectiveness of the AWS Cloud? (Select TWO.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 393
Which AWS service or tool can automatically identity security groups that grant unrestricted internet access to a list of ports?

A. AWS Firewall Manager
B. AWS Trusted Advisor
C. AWS Shield
D. Amazon EC2 dashboard

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 394
Which terms describe the on-demand AWS pricing model? (Select TWO.)

A. Fixed term
B. Pay-as-you-go
C. Collocation
D. Planned
E. Variable expense

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 395
Which AWS service or tool offers consolidated billing?

A. AWS Artifact
B. AWS Budgets
C. AWS Organizations
D. AWS Trusted Advisor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 396
A company wants to build web and mobile applications that are scalable, secure, and easily integrated with AWS authentication services. What can the company use to develop these applications quickly and efficiently?

A. AWS Elastic Beanstalk
B. Amazon Lightsail
C. AWS CodePipeline
D. AWS Amplify

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 397
Which AWS service provides a highly accurate and easy-to-use enterprise search service that is powered by machine learning (ML)?

A. Amazon Kendra
B. Amazon SageMaker
C. Amazon Augmented AI (Amazon A2I)
D. Amazon Polly

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 398

Which actions are within the scope of AWS Support? (Select TWO.)

A. Debugging custom software
B. Troubleshooting operational problems with AWS resources
C. Performing system administration tasks
D. Investigating issues detected by health checks
E. Developing application code

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
AWS manages the infrastructure and foundation services, operating system, and application platform. You are responsible for customer data, encrypting that data, and protecting it through network firewalls and backups.

QUESTION 399
A company provides a web-based ecommerce service that runs in two Availability Zones within a single AWS Region. The web service distributes content that is stored in the Amazon S3 Standard storage class. The company wants to improve the web service's performance globally.
What should the company do to meet this requirement?

A. Change the S3 storage class to S3 Intelligent-Tiering.
B. Deploy an Amazon CloudFront distribution to cache web server content in edge locations.
C. Use Amazon API Gateway for the web service
D. Migrate the website ecommerce servers to Amazon EC2 with enhanced networking.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 400
A developer needs to maintain a development environment infrastructure and a production environment infrastructure in a repeatable fashion. Which AWS service should the developer use to meet these requirements?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 401
Which AWS services are managed at the AWS Region level rather than globally? (Select TWO.)

A. Amazon S3
B. WS WAF
C. Amazon EC2
D. AWS Identity and Access Management (IAM)
E. Amazon CloudFront

Correct Answer: AC
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 402
Which of the following are included in AWS Enterprise Support? (Select TWO.)

A. AWS technical account manager (TAM)
B. AWS partner-led support
C. AWS Professional Services
D. Support of third-party software integration to AWS.
E. 5-minute response time for critical issues

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 403
Which AWS service is suited for use cases that require data system?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 404
A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds.
Which AWS service will support these requirements?

A. AWS Budgets
B. Cost Explorer
C. AWS CloudTrail
D. Amazon Made

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 405
Which AWS services or features enable a user to establish a network connection from on premises to the AWS Cloud?

A. AWS Direct Connect
B. AWS Snowball
C. Amazon S3
D. VPN connection

E. Amazon Connect

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 406
A company needs to run a workload tor several batch image rendering applications. It is acceptable for the workload to experience downtime.
Which Amazon EC2 pricing model would be MOST cost-effective in this situation?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 407
A company is comparing the total cost of ownership (TCO) of resource deployment on premises with the TCO of resource deployment in the AWS Cloud Which costs apply only to on-premises deployments" (Select TWO)

A. Operating system licensing
B. Facility operations
C. Application licensing
D. Database administration
E. Hardware procurement

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 408
Which AWS service provides domain registration, DNS routing and service health checks?

A. AWS Direct Connect
B. Amazon Route 53
C. Amazon CloudFront
D. Amazon API Gateway

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 409
Which Amazon S3 feature or storage class gives a company the ability to recover files that have been accidently deleted?

A. S3 Intelligent-Tiering
B. S3 Standard
C. S3 Lifecycle policies
D. S3 Versioning

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 410
What information is found on an AWS Identity and Access Management (IAM) credential report?
(Select TWO.)

A. The date and time when an IAM user's password was last used to sign in to the AWS Management Console
B. The type of multi-factor authentication (MFA) device assigned to an IAM user.
C. The User-Agent browser identifier for each IAM user currently logged in B
D. Whether multi-factor authentication (MFA) has been enabled for an IAM user.
E. The number of incorrect login attempts by each IAM user in the previous 30 days.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 411
A company has a serverless application that includes an Amazon API Gateway DynamoDB database a function, and an Amazon Which AWS service can the company use to trace user requests as they move through the application s components ?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 412
A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales. Which AWS service, tool, or feature should the company use to meet this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 413
Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

A. IAM policies
B. Server-side encryption
C. Amazon GuardDuty
D. Client-side encryption

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 414
Which AWS services or resources can a company use directly on its on-premises servers? (Select TWO.)

A. AWSOpsWorks
B. AWS CloudFormation
C. AWS Storage Gateway
D. Application Load Balancer
E. Amazon Cognito

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 415
A company has existing software licenses thai it wants to bring to AWS, but the licensing model requires licensing physical cores. How can the company meet this requirement in the AWS Cloud?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 416
According to the AVVS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

A. Amazon DynamoDB
B. Amazon EC2 instances
C. Amazon RDS instances
D. Amazon S3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 417
Which disaster recovery option is the LEAST expensive?

A. Warm standby
B. Multisite
C. Backup and restore
D. Pilot light

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 418
What does "security of the cloud" refer to in the AWS shared responsibility model?

A. Availability of AWS services such as Amazon EC2
B. Security of the cloud infrastructure that runs all the AWS services
C. Implementation of password policies for I AM users
D. Security of customer environments by using AWS Network Firewall partners

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 419
A user has an AWS Business Support plan and requires detailed billing information. Which AWS resource will help?

A. AWS Concierge Support.
B. AWS Service Catalog
C. AWS Budgets
D. AWS Cost and Usage Report

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 420
A company is building a mobile app to provide shopping recommendations lo its customers. The company wants to use a graph database as part of the shopping recommendation engine.
Which AWS database service should the company choose?

A. Amazon DynamoDB
B. Amazon Aurora
C. Amazon Neptune
D. Amazon DocumentDB (with MongoDB compatibility)

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 421
Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Select TWO.)

A. Service limits
B. High utilization Amazon EC2 instances
C. Security groups - specific ports unrestricted
D. Load balancer optimization
E. Large number of rules in an EC2 security group

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 422
A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB.
What is the MOST operationally efficient solution to delegate permissions?

A. Create an IAM role with the required permissions. Attach the role to the EC2 instance
B. Create an IAM user and use its access key and secret access key in the application.
C. Create an IAM user and use its access key and secret access key lo create a CLI profile in the EC2 instance.
D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Topic 4, Exam Pool D

QUESTION 423
A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application.
What can the company do to meet this requirement?

A. Set up invoiced billing.
B. Use AWS Artifact.
C. Set budgets in Cost Explorer.
D. Create cost allocation tags.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 424
A company wants to establish a private network connection between AWS and its corporate network. Which AWS service or feature will meet this requirement?

A. Amazon Connect
B. Amazon Route 53

C. AWS Direct Connect
D. VPC peering

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 425
Which AWS service can a company use lo directly query and analyze AWS Cost and Usage Reports?

A. Amazon Elasticsearch Service (Amazon ES)
B. Amazon Athena
C. Amazon Aurora
D. AWS Glue

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 426
Which tasks require use of the AWS account root user? (Select TWO.)

A. Changing an AWS Support plan
B. Modifying an Amazon EC2 instance type
C. Grouping resources in AWS Systems Manager
D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
E. Closing an AWS account

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 427
A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but user access must be controlled in a more secure and reliable way.
Which AWS service or feature will meet these requirements?

A. Security groups
B. Amazon GuardDuty
C. AWS Secrets Manager
D. Amazon Cognito

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 428

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances. Which benefit of the AWS Cloud does this example illustrate?

A. High availability
B. Elasticity
C. Reliability
D. Global reach

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 429
A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice.
Which benefit of the AWS Cloud describes these abilities?

A. Reliability
B. Economy of scale
C. Elasticity
D. Pay-as-you-go pricing

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 430
Which AWS service can be used to decouple applications?

A. AWS Config
B. Amazon Simple Queue Service (Amazon SQS)
C. AWS Batch
D. Amazon Simple Email Service (Amazon SES)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 431
A user with an AWS Basic Support plan has determined that illegal activities are being run on their AWS resources. What is the recommended method for the user to report the activity to AWS

A. Contact the AWS Concierge Support team.
B. Contact an AWS technical account manager.
C. Contact the AWS Abuse team.
D. Contact the AWS Support team.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 432
A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance.
Which AWS service meets these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 433
Which network security features are supported by Amazon VPC? (Select TWO.)

A. Network ACLs
B. Internet gateways
C. VPC peering
D. Security groups
E. Firewall rules

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 434
A company needs to review its AWS Cloud expense history by department. Each department has its own AWS account. Which AWS feature or tool can the company use to meet this requirement?

A. AWS Budgets
B. Cost Explorer
C. AWS Purchase Order Management
D. AWS Cost Anomaly Detection

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 435
An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting.
Which AWS service should the administrator use to address these concerns?

A. AWS WAF
B. Amazon VPC
C. Amazon GuardDuty
D. Amazon CloudWatch

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 436
A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys9

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 437
A company wants to store internal reports in an Amazon S3 bucket. A compliance requirement states that unauthorized users must not be able to access any new data that is stored in the S3 bucket.
What should the company do to meet this requirement?

A. Create a gateway VPC endpoint to the S3 bucket. Share only that endpoint with authorized users.
B. Enable server-side encryption (SSE) with customer master keys (CMKs) that are available only to authorized users.
C. Split the reports into multiple files before storing them in the S3 bucket.
D. Apply an S3 bucket policy that provides access to the AWS account root user credentials. Instruct the root user to provide access to authorized users.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 438
Which AWS services make use of global edge locations? (Select TWO.)

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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 439
A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones.
Which AWS services should the company use to meet this requirement? (Select TWO.)

A. Amazon EC2
B. Amazon Elastic Block Store (Amazon EBS)

C. Amazon Aurora

D. Amazon DynamoDB

E. Amazon Redshift

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 440
A company wants to migrate its applications from on premises to the AWS Cloud. Which AWS sen/ice or feature can help automate the migration?

A. AWS Data Exchange

B. CloudEndure Migration

C. AWS AppSync

D. AWS CloudFormation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 441
Which AWS service gives a company the ability to use a private, dedicated connection between a VPC and an on-premises data center?

A. AWS Direct Connect

B. Amazon API Gateway

C. AWS Systems Manager

D. AWS CloudFormation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 442
Which AWS services can be used to store files? (Select TWO.)

A. Amazon S3

B. AWS Lambda

C. Amazon Elastic Block Store (Amazon EBS)

D. Amazon SageMaker

E. AWS Storage Gateway

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 443
A user has limited knowledge o(AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud. Which service should be used to deploy the application?

A. AWS CloudFormation

B. AWS Elastic Beanstalk

C. Amazon EC2

D. AWS OpsWorks

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 444
Which AWS service is a relational database compatible with MySQL and PostgreSOL?

A. Amazon Redshift

B. Amazon DynamoDB

C. Amazon Aurora

D. Amazon Neptune

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 445
Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

A. AWS Cloud9

B. AWS CodeStar

C. AWS Cloud Map

D. AWS X-Ray

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 446
Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

A. Agility

B. Elasticity

C. Reliability

D. Durability

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 447

Which AWS service should a company use to continuously monitor the compliance of AWS resource configurations?

A. AWS Organizations
B. AWS Config
C. AWS Artifact
D. AWS Service Catalog

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 448
A large retail company wants to use an AWS service to process clickstream data trom the company's ecomrnerce website. The company wants to collect and analyze the streaming data in real time.
Which AWS service meets these requirements?

A. Amazon Kinesis
B. Amazon Athena
C. Amazon CloudFront
D. AWS Data Exchange

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 449
An Elastic Load Balancer allows the distribution of web traffic across multiple:

A. AWS Regions.
B. Availability Zones.
C. Dedicated Hosts
D. Amazon S3 buckets.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 450
A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances.
Which pillar of the AWS Well-Architected Framework does this action cover?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 451
Which AWS service or feature is highly available by default?

A. Amazon EC2
B. Amazon Aurora
C. NAT instances
D. Amazon RDS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 452
Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 453
Which task requires the use of AWS account root user credentials?

A. The deletion of IAM users
B. The change lo a different AWS Support plan
C. The creation of an organization in AWS Organizations
D. The deletion of Amazon EC2 instances

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 454
A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon Workspaces to host its internal web portal and virtual desktops for employees.
What should the company do to minimize latency and ensure the best possible performance for employees?

A. Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2.
B. Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and euwest- 2.
C. Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only.
D. Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 455
Which AWS benefit is demonstrated by on-demand technology services that enable companies to replace upfront fixed expenses with variable expenses7

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 456
Which AWS service allows users to provision resources using a consistent and repeatable process?

A. AWS Systems Manager
B. AWS CloudFormation
C. AWS Batch
D. AWS Config

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 457
A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application.
Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

A. AWS CodeDeploy
B. AWS Resource Access Manager
C. AWS Elastic Beanstalk
D. AWS CloudFormation

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 458
Which of the following services can be used to block network traffic to an instance? (Select TWO.)

A. Security groups
B. Amazon Virtual Private Cloud (Amazon VPC) flow logs
C. Network ACLs
D. Amazon CloudWatch
E. AWS CloudTrail

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 459
Which phrase describes agility as a benefit of building in the AWS Cloud?

A. The ability to pay only when computing resources are consumed, based on the volume of resources that are consumed
B. The ability to eliminate guessing about infrastructure capacity needs
C. The ability to support innovation through a reduction in the time that is required to make IT resources available to developers
D. The ability to deploy an application in multiple AWS Regions around the world in minutes

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 460
Which task is an AWS responsibility when a workload is running in Amazon RDS?

A. Creating the database table
B. Updating the database schema
C. Installing the database engine
D. Dropping the database records

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 461
A large organization has a single AWS account.
What are the advantages of reconfiguring the single account into multiple AWS accounts? (Select TWO.)

A. It allows for administrative isolation between different workloads.
B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.
E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 462
Which of the following are economic benefits of using the AWS Cloud? (Select TWO.)

A. Consumption-based pricing
B. Perpetual licenses

C. Economies of scale

D. AWS Enterprise Support at no additional cost.

E. Bring-your-own-hardware model

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 463
Which AWS service will automatically identify and protect a user's sensitive data?

A. Amazon GuardDuty

B. Amazon Macie

C. Amazon Cloud Watch

D. Amazon Inspector

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 464
A company has only basic knowledge of AWS technologies.
Which AWS service provides the SIMPLEST way for the company to establish a website on AWS?

A. Amazon Elastic File System (Amazon EFS)

B. AWS Elastic Beanstalk

C. AWS Lambda

D. Amazon Lightsail

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 465
A company has an application workload that is stateless by design and can sustain occasional downtime. The application performs massively parallel computations.
Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

A. On-Demand Instances

B. Spot Instances

C. Reserved Instances

D. Dedicated Instances

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 466

Which AWS database allows for analytics that use SQL queries?

A. Amazon S3
B. Amazon Redshift
C. Amazon DynamoDB
D. Amazon Neplune

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 467
A company plans to move its on-premises servers to Amazon EC2 instances. The company has 50 different business units and wants to separate each billing for each unit.
What should a cloud practitioner recommend?

A. Use separate AWS accounts for each business unit, then filter by unit using the coverage report.
B. Place each business unit in a different AWS Region, then filter by unit in Cost Explorer.
C. Tag each business unit's resources, then filter by unit in Cost Explorer.
D. Use a different VPC for each business unit, then filter by unit using an AWS Cost and Usage Report.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 468
Which AWS service or tool provides a visualization of historical AWS spending patterns and projections of future AWS costs?

A. AWS Cost and Usage Report
B. AWS Budgets
C. Cost Explorer
D. Amazon CloudWatch

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 469
A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.
Which AWS service or group can provide these documents?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 470
A company is running a Microsoft SQL Server instance on premises and is migrating its application lo AWS. The company lacks the resources needed to refactor the application, but management wants to reduce operational overhead as part ot the migration.
Which database service would MOST effectively support these requirements?

A. Amazon DynamoDB
B. Amazon Redshift
C. Microsoft SQL Server on Amazon EC2
D. Amazon RDS for SQL Server

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 471
A company is running a key-value NoSQL workload on Amazon EC2 instances and needs to have scalability, failover protection, and backup capabilities.
What is the MOST operationally efficient way to meet these requirements?

A. Add additional EC2 instances to the database cluster.
B. Run an identical copy of the database in a second Availability Zone.
C. Migrate the database lo Amazon DynamoDB.
D. Migrate to a relational database.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 472
A company wants to store a copy of its on-premises data backups to the AWS Cloud. Data durability is not a concern, but the company wants to be able to begin retrieval of the data within milliseconds.
What is the MOST cost-effective storage solution?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 473
Which of the following are benefits of AWS Trusted Advisor? (Select TWO.)

A. Access to Amazon Simple Queue Service (Amazon SQS)
B. Cost optimization recommendations
C. Hourly refresh of the service limit checks
D. Security checks

E. AWS Identity and Access Management (IAM) approval management

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 474
Which of the following is included within the security pillar of the AWS Well-Architected Framework?

A. Identity federation
B. Data protection
C. Incident reporting
D. Disaster recovery

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 475
A company is using an Amazon EC2 On-Demand Instance for an application. The company wants to migrate the application to an EC2 Reserved Instance (RI). The application will run on the instance for longer than 3 years.
Which EC2 instance purchasing option meets these requirements MOST cost-effectively?

A. A No Upfront Standard RI for a 1-year term, renewed each year
B. An All Upfront Convertible RI for a 1-year term
C. An All Upfront Standard RI for a 3-year term
D. A No Upfront Convertible RI for a 3-year term

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 476
Which of the following are advantages of moving to the AWS Cloud? (Select TWO.)

A. The ability to turn over the responsibility for all security to AWS.
B. The ability to use the pay-as-you-go model.
C. The ability to have full control over the physical infrastructure.
D. No longer having to guess what capacity will be required.
E. No longer worrying about users access controls.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 477
A company needs to use SQL syntax to perform a direct query of objects in an Amazon S3 bucket.
Which AWS service can the company use to meet this requirement?

A. AWS Glue

B. Amazon Athena

C. AWS Lambda

D. Amazon Kinesis

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 478
A company deployed an Amazon EC2 instance last week. A developer realizes that the EC2 instance is no longer running. The developer reviews a list of provisioned EC2 instances, and the EC2 instance is no longer on the list.
What can the developer do to generate a recent history of the EC2 instance?

A. Run Cost Explorer to identify the start time and end time of the EC2 instance.

B. Use Amazon Inspector to find out when the EC2 instance was stopped.

C. Perform a search in AWS CloudTrail to find all EC2 instance-related events.

D. Use AWS Secrets Manager to display hidden termination logs of the EC2 instance.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 479
According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

A. Amazon DynamoDB

B. Amazon EC2 instances

C. Amazon RDS instances

D. Amazon S3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 480
A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores. How can the company meet this requirement in the AWS Cloud?

A. Launch an Amazon EC2 instance with default tenancy.

B. Launch an Amazon EC2 instance on a Dedicated Host.

C. Create an On-Demand Capacity Reservation.

D. Purchase Dedicated Reserved Instances.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 481
A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 482
A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud. Which service should be used to deploy the application?

A. AWS CloudFormation
B. AWS Elastic Beanstalk
C. Amazon EC2
D. AWS OpsWorks

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 483
A global company has a large number of AWS accounts. The company needs central management of billing and security policies across accounts.
Which AWS service or feature will meet these requirements?

A. AWS Config
B. AWS Organizations
C. IAM groups
D. AWS Trusted Advisor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 484
Which AWS services can help reduce application latency and improve performance by using edge locations? (Select TWO.)

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

Correct Answer: BE
Section: (none)
Explanation

QUESTION 485
Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

A. AWS Management Console
B. AWS Cloud9
C. AWS CodePipeline
D. AWS software development kits (SDKs)

Correct Answer: D
Section: (none)
Explanation

QUESTION 486
Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain insight into operations, and continuously improve supporting processes and procedures?

A. Cost optimization
B. Reliability
C. Operational excellence
D. Performance efficiency

Correct Answer: C
Section: (none)
Explanation

QUESTION 487
When designing AWS workloads to be operational even when there are component failures, what is an AWS best practice?

A. Perform quarterly disaster recovery tests.
B. Place the main component on the us-east-1 Region.
C. Design for automatic failover to healthy resources.
D. Design workloads to fit on a single Amazon EC2 instance.

Correct Answer: C
Section: (none)
Explanation

QUESTION 488
An ecommerce company plans to move its data center workload to the AWS Cloud to support highly dynamic usage patterns. Which benefits make the AWS Cloud cost-effective for the migration of this type of workload? (Select TWO.)

A. Reliability
B. Security
C. Elasticity
D. Pay-as-you-go resource pricing
E. High availability

Correct Answer: CD

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 489
A company wants to increase its ability to recover its infrastructure in the case of a natural disaster.
Which pillar of the AWS Well-Architected Framework does this ability represent?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 490
A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine.
Which AWS database service should the company choose?

A. Amazon DynamoDB
B. Amazon Aurora
C. Amazon Neptune
D. Amazon DocumentDB (with MongoDB compatibility)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 491
According to the AWS shared responsibility model, which task is the responsibility of AWS for workloads running on Amazon EC2?

A. Updating the physical hardware
B. Updating the operating system
C. Updating the database engine
D. Updating the user data

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 492
A company needs to establish a private virtual interface (VIF) from its on-premises network directly to its VPC. Which AWS connectivity option should the company use?

A. VPC peering
B. AWS PrivateLink
C. AWS Global Accelerator

D. AWS Direct Connect

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 493
A company needs to generate reports that will describe its usage of Amazon EC2 Reserved Instances across AWS accounts for the past month. Which AWS service or tool can the company use to meet this requirement?

A. AWS Organizations
B. Amazon S3
C. Cost Explorer
D. Amazon EC2 dashboard

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 494
A company has an application with robust hardware requirements. The application must be accessed by students who are using lightweight, low-cost laptops. Which AWS service will help the company deploy the application without investing in backend infrastructure or high-end client hardware?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 495
A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.
Which pillar of the AWS Well-Architected Framework aligns with these requirements?

A. Operational excellence
B. Security
C. Reliability
D. Cost optimization

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 496
Which AWS service can a company use to access compliance documentation and AWS agreements?

A. AWS Security Hub
B. AWS Identity and Access Management (IAM)
C. AWS Artifact
D. AWS Certificate Manager (ACM)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 497
Which of the following is a fully managed graph database service on AWS?

A. Amazon Aurora
B. Amazon FSx
C. Amazon DynamoDB
D. Amazon Neptune

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 498
A company moves a workload to AWS to run on Amazon EC2 instances. The company needs to run the workload in the most cost-effective way. What can the company do to meet this requirement?

A. Use AWS Key Management Service {AWS KMS).
B. Use multiple AWS accounts and consolidated billing.
C. Use AWS CloudFormation to deploy the infrastructure.
D. Rightslze all the EC2 instances that are used in the deployment.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 499
According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
B. Store the IAM user's secret key and access key in a text file on the EC2 Instance, read the keys, then upload the file.
C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
D. Modify the S3 bucket policy so that any service can upload to it at any time.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 500

Which AWS services or features enable a user to establish a network connection from on premises to the AWS Cloud? (Select TWO.)

A. AWS Direct Connect
B. AWS Snowball
C. Amazon S3
D. VPN connection
E. Amazon Connect

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 501
Which AWS services are managed database services? (Select TWO.)

A. Amazon Elastic Block Store (Amazon EBS)
B. Amazon S3
C. Amazon DynamoDB
D. Amazon RDS
E. Amazon Elastic Pile System (Amazon EFS)

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 502
How does the AWS Cloud pricing model differ from the traditional on-premises storage pricing model?

A. AWS resources do not incur costs
B. There are no Infrastructure operating costs
C. There are no upfront cost commitments
D. There are no software licensing costs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 503
Which AWS service enables the decoupling and scaling of applications?

A. Amazon Simple Queue Service (Amazon SQS)
B. AWS Outposts
C. Amazon S3
D. Amazon Simple Email Service (Amazon SES)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 504
How does AWS Cloud computing help businesses reduce costs? (Select TWO.)

A. AWS charges the same prices for services in every AWS Region.
B. AWS enables capacity to be adjusted on demand.
C. AWS offers discounts for Amazon EC2 instances that remain idle for more than 1 week.
D. AWS does not charge for data sent from the AWS Cloud to the internet.
E. AWS eliminates many of the costs of building and maintaining on-premises data centers.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 505
A company has a global website with static content.
Which AWS service will deliver the static content with low latency?

A. AWS Lambda
B. Amazon CloudFront
C. Amazon EC2 Auto Scaling
D. AWS Compute Optimizer

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 506
A company has two AWS accounts in an organization in AWS Organizations for consolidated billing.
All of the company's AWS resources are hosted in one AWS Region.
Account A has purchased five Amazon EC2 Standard Reserved Instances (RIs) and has four EC2 instances running. Account B has not purchased any RIs and also has four EC2 instances running.
Which statement is true regarding pricing for these eight instances?

A. The eight instances will be charged as regular instances.
B. Four Instances will be charged as RIs, and four will be charged as regular instances.
C. Five instances will be charged as RIs, and three will be charged as regular Instances.
D. The eight instances will be charged as RIs.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 507
An ecommerce company has Amazon EC2 instances running as web servers. There is a predictable pattern of peak traffic load that occurs two times each day, always at the same time. The EC2 instances are idle for the remainder of the day.
What is the MOST cost-effective way to manage these resources while maintaining fault tolerance?

A. Use an Auto Scaling group to scale resources in and out based on demand.

B. Purchase Reserved Instances to ensure peak capacity at all times.

C. Write a cron job to stop the EC2 instances when the traffic demand is low.

D. Write a script to vertically scale the EC2 instances during peak traffic demand.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 508
A company needs to log information that shows all the AWS resources that the company has launched and terminated. Which AWS service can the company use to meet this requirement?

A. AWS Trusted Advisor

B. Amazon CloudWatch

C. AWS Config

D. AWS CloudTrail

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 509
What is a feature of Amazon Route 53?

A. Routing users to infrastructure both Inside and outside AWS

B. Providing a private connection to infrastructure inside AWS

C. Providing a private connection to Infrastructure outside AWS

D. Distributing content across edge locations

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 510
What does the concept of agility mean in AWS Cloud computing? (Select TWO.)

A. The speed at which AWS resources are implemented

B. The speed at which AWS creates new AWS Regions

C. The ability to experiment quickly

D. The elimination of wasted capacity

E. The low cost of entry into cloud computing

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 511
Which AWS service provides a simple way to set up a new multi-account AWS environment and govern it at scale?

A. AWS Trusted Advisor
B. AWS Security Hub
C. AWS Control Tower
D. AWS Resource Access Manager

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 512
Which AWS Trusted Advisor check includes the verification of AWS CloudTraii logging?

A. Performance
B. Fault tolerance
C. Security
D. Service limits

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 513
Which AWS Cloud benefit occurs when a company does not have to maintain overprovisioned resources that support peak workloads during periods of low activity?

A. Pay-as-you-go pricing
B. Agility
C. Economy of scale
D. Elasticity

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 514
A company needs to use third-party software for its workload on AWS. Which AWS service or feature can the company use to purchase the software?

A. AWS Resource Access Manager
B. AWS Managed Services
C. AWS License Manager
D. AWS Marketplace

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 515

What is a benefit of using AWS Auto Scaling?

A. Pay-as-you-go pricing is only available for the use of AWS Auto Scaling.
B. AWS Auto Scaling is billed based on the duration of a given event.
C. Users only pay for the AWS resources that are deployed with AWS Auto Scaling.
D. Bulk discount pricing is automatically applied to AWS Auto Scaling usage.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 516
Which AWS service or feature can help a company determine if it has Amazon S3 buckets that are publicly available?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 517
A company wants an in-memory data store that is compatible with open source in the cloud. Which AWS service should the company use?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 518
A company needs to migrate an existing on-premises database to the AWS Cloud. The company must be able to install custom software on the database instance. Which AWS service can the company use to meet these requirements?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 519
Which AWS service continuously audits AWS resources and enables them to assess overall compliance?

A. Amazon CloudWatch
B. AWS Config
C. AWS CloudTrail
D. AWS Trusted Advisor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 520
A developer has an AWS account and needs access to another account's test database. Which AWS service or feature can the developer use to gain access to the test database?

A. Amazon Macie
B. Security groups
C. IAM roles
D. AWS Trusted Advisor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 521
According to the AWS shared responsibility model, the customer is responsible for maintaining:

A. physical access to the AWS network.
B. the patching of the host operating system.
C. data encryption in Amazon S3.
D. the operating system for Amazon DynamoDB.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 522
Which AWS service should a cloud practitioner use to receive real-time guidance for provisioning resources, based on AWS best practices related to security, cost optimization, and service limits?

A. AWS Trusted Advisor
B. AWS Config
C. AWS Security Hub
D. AWS Systems Manager

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 523
According to the AWS shared responsibility model, what responsibility does a customer have when using Amazon RDS to host a database?

A. Manage connections to the database
B. Install Microsoft SQL Server
C. Design encryption-at-rest strategies
D. Apply minor database patches

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 524
Which pillar of the AWS Well-Architected Framework aligns with the ability to make frequent, small, and reversible changes to AWS Cloud architecture?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 525
A company needs access to cloud support engineers 24 hours a day. 7 days a week. What is the LEAST expensive AWS Support plan that meets this requirement?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 526
Which AWS service can run a managed PosigreSQL database that provides online transaction processing (OLTP)?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 527
A user is moving a workload from a local data center to an architecture that is distributed between the local data center and the AWS Cloud. Which type of migration is this?

A. On-premises to cloud native
B. Hybrid to cloud native
C. On-premises to hybrid
D. Cloud native to hybrid

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 528
How can a user protect an Amazon EC2 instance from a suspicious IP address?

A. Block the IP on the inbound rule of a network ACL.
B. Block the IP on the outbound rule of a security group.
C. Block the IP on the inbound rule of a security group and network ACL.
D. Block the IP on the outbound rule of a security group and network ACL.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 529
Which of the following are features of network ACLs as they are used in the AWS Cloud? (Select TWO.)

A. They are stateless.
B. They are stateful.
C. They evaluate all rules before allowing traffic.
D. They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic.
E. They operate at the instance level.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 530
A company needs to optimize the cost of its AWS architecture by identifying unused resources and idle resources. Which AWS service or feature should the company use to meet this requirement?

A. Amazon Inspector
B. AWS Config
C. AWS Trusted Advisor
D. AWS Organizations

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 531
Which benefit of cloud computing gives a company the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations?

A. Economy of scale
B. Global reach
C. Agility
D. High availability

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 532
Which of the following are among the five pillars of the AWS Well-Architected Framework? (Select TWO.)

A. High availability
B. Performance efficiency
C. Cost optimization
D. Going global In minutes
E. Continuous development

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 533
A company wants to improve the availability and performance of its application with users in different countries. Which AWS service or feature will help improve availability by routing traffic to the closest healthy endpoints?

A. AWS Direct Connect
B. AWS Global Accelerator
C. AWS Well-Architected Tool
D. AWS CLI

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 534
A company wants to provision an Amazon EC2 instance at the lowest possible cost for a long-term project. The EC2 instance cannot be interrupted. Which EC2 pricing model meets these requirements?

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

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 535
A company manages an on-premises MySQL database on a Windows server. The company wants to migrate the database to AWS and needs a solution that will reduce the administrative overhead of the database.
Which AWS service will meet this requirement?

A. Amazon Redshift
B. Amazon ElastiCache
C. Amazon RDS
D. Amazon Elastic File System (Amazon EFS)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 536
A company needs a data warehouse for analytical workloads. The data warehouse must support standard SQL queries. Which AWS service meets these requirements?

A. Amazon EMR
B. Amazon Athena
C. Amazon Redshift
D. Amazon RDS

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 537
What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

A. Design using a serverless architecture.
B. Assume that all components within an application can fail.
C. Design AWS Auto Scaling Into every application.
D. Design all components using open-source code.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 538
A company wants to store its noncritical, infrequently accessed data in Amazon S3. The data must be retrievable within seconds. Which S3 storage class meets these requirements MOST cost-effectively?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 539
A company's IT administrator needs to configure the AWS CLI for programmatic access to AWS Cloud services for the company's employees. Which credential components must the IT administrator use to meet this requirement? (Select TWO.)

A. A public key
B. A secret access key
C. An IAM role
D. An access key ID
E. A private key

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 540
Which tasks require the use of AWS account root user credentials? (Select TWO.)

A. Configure multi-factor authentication (MFA) delete for an Amazon S3 bucket.
B. Create an IAM administrator access policy.
C. Open a support ticket with AWS to request an increase to service quotas.
D. Change an AWS Support plan.
E. Change payment currency for an AWS account.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 541
An auditor is preparing for an annual security audit. The auditor requests certification details for a company's AWS hosted resources across multiple Availability Zones in the us-east-1 Region.
How should the company respond to the auditor's request?

A. Open an AWS Support ticket to request that the AWS technical account manager (TAM) respond and help the auditor
B. Open an AWS Support ticket to request that the auditor receive approval to conduct an onsite assessment of the AWS data centers in which the company operates.
C. Explain to the auditor that AWS does not need to be audited because the company's application is hosted in multiple Availability Zones.
D. Use AWS Artifact to download the applicable report for AWS security controls. Provide the report to the auditor.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 542
Which AWS service allows a user to provision a managed MySQL DB instance?

A. Amazon DynamoDB

B. Amazon Redshift

C. Amazon RDS

D. AWS Database Migration Service (AWS DMS)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 543
A company has the AWS Basic Support plan. The company needs assistance in its efforts to deploy, test, and improve its AWS environment Which form of assistance can the company use at no cost?

A. AWS Support API for programmatic case management

B. AWS technical account manager (TAM) consultation

C. AWS online documentation, whitepapers. blogs. and support forums

D. In-person AWS training classes with an accredited instructor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 544
Which AWS service keeps track of SSUTLS certificates, creates new certificates, and processes renewals?

A. AWS Identity and Access Management (IAM)

B. AWS Certificate Manager (ACM)

C. AWS Config

D. AWS Trusted Advisor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 545
A company plans to migrate an on-premises Microsoft SQL Server database to the AWS Cloud The database supports a legacy application. The company wants to maintain administrative control of the database configuration and host operating system Which AWS service or feature meets these requirements?

A. Amazon RDS for SOL Server

   B . SQL Server on Amazon EC2

B. Amazon DynamoDB

C. Amazon DocumentDB

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 546
What is a benefit of using an Elastic Load Balancer (ELB) with applications running in the AWS Cloud?

A. An ELB will automatically scale resources to meet capacity needs.
B. An ELB can balance traffic across multiple compute resources.
C. An ELB can span multiple AWS Regions.
D. An ELB can balance traffic between multiple internet gateways.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 547
An IT manager needs to monitor company AWS resources and collect utilization metrics from Amazon EC2 instances and Amazon DynamoDB. Which AWS service can the IT manager use to meet these requirements?

A. AWS CloudTrall
B. AWS Config
C. Amazon CloudWatch
D. AWS Trusted Advisor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 548
Which AWS compute service automatically scales resources up or down to meet application workload demands?

A. Amazon Simple Queue Service (Amazon SOS)
B. Amazon EC2
C. Amazon Aurora
D. AWS Lambda

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 549
Which tasks are the customer's responsibility, according to the AWS shared responsibility model?
(Select TWO.)

A. Establish the global infrastructure.
B. Perform client-side data encryption.
C. Configure IAM credentials.
D. Secure edge locations.
E. Paten Amazon RDS DB instances.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 550
A company has an Amazon EC2 instance that must access AWS Secrets Manager to retrieve credentials. Which identity or service is required by the EC2 Instance to perform the task?

A. Multi-factor authentication (MFA)
B. IAM role
C. IAM group
D. Security groups

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 551
A company is planning to migrate an important production workload to the AWS Cloud. The company needs an AWS Support plan that offers a response time of less than 15 minutes lo businesscritical issues Which AWS Support plan aligns with this requirement?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 552
Which AWS services or tools can help optimize the costs of AWS resources? (Select TWO.)

A. AWS Trusted Advisor
B. AWS CloudTrail
C. AWS Personal Health Dashboard
D. AWS Pricing Calculator
E. Cost Explorer

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 553
Which type of AWS storage is ephemeral and is deleted when an Amazon EC2 instance is stopped or terminated"

A. Amazon Elastic Block Store (Amazon EBS)
B. Amazon EC2 instance store
C. Amazon Elastic File System (Amazon EFS)
D. Amazon S3

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 554
A developer has a stateful web server on-premises that is being migrated to AWS. The developer must have greater elasticity in the new design How should the developer re-factor the application to make it more elastic? (Select TWO.)

A. Use pessimistic concurrency on Amazon DynamoDB
B. Use Amazon CloudFront with an Auto Scaling group.
C. Use Amazon CloudFront with an AWS Web Application Firewall
D. Store session state data m an Amazon DynamoDB table.
E. Use an ELB with an Auto Scaling group

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 555
A company has a two-tier application running on an Amazon EC2 server that handles all of its AWS based e-commerce activity. During peak times, the backend servers that process orders are overloaded with requests This results in some orders falling to process A developer needs to create a solution that will re factor the application Which steps will allow for more flexibility during peak times, while still remaining cost-effective?
(Select TWO.)

A. Increase the backend T2 EC2 instance sizes to xi to handle the largest possible load throughout the year
B. Implement an Amazon SQS queue to decouple the front-end and backend servers.
C. Use an Amazon SNS queue to the couple the front-end and backend servers
D. Migrate the backend servers to on-premises and pull from an Amazon SNS queue
E. Modify the backend servers to pull from an Amazon SQS queue.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 556
A developer has discovered that an application responsible for processing messages in an Amazon SQS queue is routinely falling behind The application is capable of processing multiple messages in one invocation, but is only receiving one message at a time What should the developer do to increase the number of messages the application receives?

A. Call the ChangeMessageVisibility API for the queue and set MaxNumberOfMessages to a value greater than the default of
B. Call the AddPormission API to set MaxNumberOfMessages for the ReceiveMessage action to a value greater than the default of 1
C. Call the ReceiveMessage API to set MaxNumberOfM ess ages to a value greater than the default of 1.
D. Call the SetQueue Attributes API for the queue and set MaxNumberOfMessages to a value greater than the default of 1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 557
A company has a website that displays a daily newsletter. When a user visits the website, an AWS Lambda function processes the browser's request and queries the company's on-premises database to obtain the current newsletter. The newsletters are stored in English. The Lambda function uses the Amazon Translate TranslateText API operation to translate the newsletters and the translation is displayed to the user Due to an increase in popularity, the website's response

time has slowed. The database is overloaded The company cannot change the database and needs a solution that improves the response time of the Lambda function Which solution meets these requirements?

A. Change to asynchronous Lambda function invocation
B. Cache the translated newsletters in the Lambda /tmp directory
C. Enable TranslateText API caching.
D. Change the Lambda function to use parallel processing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 558
A Lambda function processes data before sending it to a downstream service. Each piece of data is approximately 1MB in size. After a security audit, the function is now required to encrypt the data before sending it downstream Which API call is required to perform the encryption?

A. Pass the data to the KMS ReEncrypt API for encryption
B. Use the KMS GenerateDataKeyAPi to get an encryption key
C. Use the KMS GeneraceDaraHeywithoutPlainTexr API to get an encryption key
D. Pass the data to KMS as part of the Encrypt API for encryption.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 559
A company is migrating its on-premises database to Amazon RDS for MySQL. The company has readheavy workloads, and wants to make sure it re-factors its code to achieve optimum read performance for its queries.
How can this objective be met?

A. Add database retries to effectively use RDS with vertical scaling
B. Use RDS with multi-AZ deployment
C. Add a connection string to use an RDS read replica for read queries.
D. Add a connection string to use a read replica on an EC2 instance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 560
A company stores documents in Amazon S3 with default settings A new regulation requires the company to encrypt the documents at rest, rotate the encryption keys annually, and keep a record of when the encryption keys were rotated.
The company does not want to manage the encryption keys outside of AWS Which solution will meet these requirements?

A. Use server-side encryption with Amazon S3 managed encryption keys (SSE-S3).
B. Use server-side encryption with AWS KMS managed encryption keys (SSE-KMS)
C. Use server-side encryption with customer-provided encryption keys (SSE-C)
D. Use client-side encryption before sending the data to Amazon S3

Correct Answer: C
Section: (none)
Explanation

Explanation:

QUESTION 561
A company has a web application that runs on Amazon EC2 instances with a custom Amazon Machine Image (AMI) The company uses AWS CloudFormation to provision the application. The application runs in the us-east-1 Region, and the company needs to deploy the application to the uswest- 1 Region An attempt to create the AWS CloudFormation stack in us-west-1 fails An error message states that the AMI ID does not exist A developer must resolve this error with a solution that uses the least amount of operational overhead.
Which solution meets these requirements?

A. Change the AWS CloudFormation templates for us-east-1 and us-west-1 to use an AWS AMI Relaunch the stack for both Regions
B. Copy the custom AMI from us-east-1 to us-west-1 Update the AWS CloudFormation template for us-west-1 to refer to AMI ID for the copied AMI. Relaunch the stack.
C. Build the custom AMI in us-west-1 Create a new AWS CloudFormation template to launch the stack in us-west-1 with the new AMI ID
D. Manually deploy the application outside AWS CloudFormation in us-west-1

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 562
A developer is creating an AWS Lambda function that generates a new file each time it runs Each new file must be checked into an AWS CodeCommit repository hosted in the same AWS account How should the developer accomplish this?

A. When the Lambda function starts, use the Git CLI to clone the repository Check the new file into the cloned repository and push the change.
B. After the new file is created in Lambda, use cURL to invoke the CodeCommit API Send the file to the repository.
C. Use an AWS SDK to instantiate a CodeCommit client Invoke the put_file method to add the file to the repository
D. Upload the new file to an Amazon S3 bucket Create an AWS Step Function to accept S3 events In the Step Function, add the new file to the repository

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 563
A gaming application stores scores for players in an Amazon DynamoDB table that has four attributes user_id. user_name, user_score: and userrank The users are allowed to update their names only. A user is authenticated by web identity federation.
Which set of conditions should be added in the policy attached to the role for the dynamodb PutItem API call?

A.
```
"Condition": {
    "ForAllValues:StringEquals": {
        "dynamodb:LeadingKeys": [
            "${www.amazon.com:user_id}"
        ],
        "dynamodb:Attributes": [
            "user_name"
        ]
    }
}
```

B.
```
"Condition": {
    "ForAllValues:StringEquals": {
        "dynamodb:LeadingKeys": [
            "${www.amazon.com:user_name}"
        ],
        "dynamodb:Attributes": [
            "user_id"
        ]
    }
}
```

C.
```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
    "${www.amazon.com:user_id}"
    ],
    "dynamodb:Attributes": [
    "user_name", "user_id"
    ]
  }
}
```

D.
```
"Condition": {
  "ForAllValues:StringEquals": {
    "dynamodb:LeadingKeys": [
    "${www.amazon.com:user_name}"
    ],
    "dynamodb:Attributes": [
    "user_name", "user_id"
    ]
  }
}
```

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 564
A company is using an AWS Lambda function to process records from an Amazon Kinesis data stream The company recently observed slow processing of the records .A developer notices that the iterator age metric for the function is increasing and that the Lambda run duration is constantly above normal.
Which actions should the developer take to increase the processing speed? (Select TWO.)

A. Increase the number of shards of the Kinesis data stream.

B. Decrease the timeout of the Lambda function

C. Increase the memory that is allocated to the Lambda function

D. Decrease the number of shards of the Kinesis data stream

E. Increase the timeout of the Lambda function.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 565
A developer has created a web API that uses Amazon Elastic Container Service (Amazon ECS) and an Application Load Balancer (ALB) An Amazon CloudFront distribution uses the API as an origin for web clients The application has received millions of requests with a JSON Web Token (JWT) that is not valid in the authorization header The developer has scaled out the application to handle the unauthenticated requests What should the developer do to reduce the number of unauthenticated requests to the API?

A. Add a request routing rule to the ALB to return a 401 status code if the authorization header is missing

B. Add a container to the ECS task definition to validate JWTs Set the new container as a dependency of the application container

C. Create a CloudFront function for the distribution Use the crypto module in the function to validate the JWT

D. Add a custom authorizer for AWS Lambda to the CloudFront distribution to validate the JWT

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 566
A company is using continuous integration/continuous delivery (CI/CD) systems A developer must automate the deployment of an application software package to Amazon EC2 instances and virtual servers that run on premises Which AWS service should the developer use to meet these requirements?

A. AWS Cloud9
B. AWS CodeBuild
C. AWS Elastic Beanstalk
D. AWS CodeDeploy

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 567
An application needs to encrypt data that is written to Amazon S3 where the keys are managed in an on-premises data center and the encryption is handled by S3 Which type of encryption should be used?

A. Use server-side encryption with Amazon S3-managed keys
B. Use server-side encryption with AWS KMS-managed keys
C. Use client-side encryption with AWS KMS-managed keys
D. Use server-side encryption with customer-provided keys.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 568
A developer is writing a new AWS Serverless Application Model (AWS SAM) template with a new AWS Lambda function. The Lambda function runs complex code. The developer wants to test the Lambda function with more CPU power
What should the developer do to meet this requirement?

A. Increase the runtime engine version
B. Increase the timeout
C. Increase the number of Lambda layers
D. Increase the memory.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 569
A developer needs to modify an application architecture to meet new functional requirements Application data is stored in Amazon DynamoDB and processed for analysis in a nightly batch. The system analysts do not want to wait until the next day to view the processed data and have asked to have it available in near-real time.
Which application architecture pattern would enable the data to be processed as it is received?

A. Event driven
B. Client-server driven
C. Fan-out driven
D. Schedule driven

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 570
A developer has written code for an application and wants to share it with other developers on the team to receive feedback. The shared application code needs to be stored long-term with multiple versions and batch change tracking Which AWS service should the developer use?

A. AWS CodeBuild
B. Amazon S3
C. AWS CodeCommit
D. AWS Cloud9

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 571
A developer uses a single AWS CloudFormation template to configure the test environment and the production environment for an application The developer handles environment-specific requirements in the CloudFormation template.
The developer decides to update the Amazon EC2 Auto Scaling launch template with new Amazon Machine Images (AMIs) for each environment The CloudFormation update for the new AMIs is successful in the test environment but the update fails in the production environment.
What are the possible causes of the CloudFormation update failure in the production environment?
(Select TWO)

A. The new AMIs do not fulfill the specified conditions in the CloudFormation template
B. The service quota for the number of EC2 vCPUs in the AWS Region has been exceeded. .
C. The security group that is specified in the CloudFormation template does not exist
D. CloudFormation does not recognize the template change as an update
E. CloudFormation does not have sufficient 1AM permissions to make the changes

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 572
Given the source code for an AWS Lambda function in the local file store, py containing a handler function called get_store and the following AWS CloudFormation template:

```
Transform: AWS::Serverless-2016-10-31
Resources:
    StoreFunc:
        Type: AWS::Serverless::Function
        Properties:
            Handler: store.get_store
            Runtime: python3.6
```

What should be done to prepare the template so that it can be deployed using the AWS CLI command aws cloudforroation deploy?

A. Use aws cloudformacion compile to base64 encode and embed the source file into a modified CloudFormation template.
B. Use aws cloudformacion package to upload the source code to an Amazon S3 bucket and produce a modified CloudFormation template
C. Use aws lambda zip to package the source file together with the CloudFormation template and deploy the resulting zip archive
D. Use aws serveriess create-package to embed the source file directly into the existing CloudFormation template

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 573
A developer has a legacy application that is hosted on-premises Other applications hosted on AWS depend on the on-premises application for proper functioning In case of any application errors, the developer wants to be able to use Amazon CloudWatch to monitor and troubleshoot all applications from one place.
How can the developer accomplish this?

A. Install an AWS SDK on the on-premises server to automatically send logs to CloudWatch.
B. Download the CloudWatch agent to the on-premises server Configure the agent to use I AM user credentials with permissions for CloudWatch
C. Upload log files from the on-premises server to Amazon S3 and have CloudWatch read the files.
D. Upload log files from the on-premises server to an Amazon EC2 instance and have the instance forward the logs to CloudWatch

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 574
A developer is building a serverless application that is based on AWS Lambd a. The developer initializes the AWS software development kit (SDK) outside of the Lambda handler function.
What is the PRIMARY benefit of this action?

A. Improves legibility and stylistic convention
B. Takes advantage of runtime environment reuse
C. Provides better error handling
D. Creates a new SDK instance for each invocation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 575
A company has an application where reading objects from Amazon S3 is based on the type of user.
The user types are registered user and guest user. The company has 25.000 users and is growing.
Information is pulled from an S3 bucket depending on the user type.
Which approaches are recommended to provide access to both user types? (Select TWO.)

A. Provide a different access key and secret access key in the application code for registered users and guest users to provide read access to the objects.
B. Use S3 bucket policies to restrict read access to specific IAM users
C. Use Amazon Cognito to provide access using authenticated and unauthenticated roles
D. Create a new 1AM user for each user and grant read access
E. Use the AWS 1AM service and let the application assume the different roles using the AWS Security Token Service (AWS STS) AssumeRole action depending on the type of user and provide read access to Amazon S3 using the assumed role.

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 576
A developer must extend an existing application that is based on the AWS Serverless Application Model (AWS SAM) The developer has used the AWS SAM CLI to create the project. The project contains different AWS Lambda functions.
Which combination of commands must the developer use to redeploy the AWS SAM application?

(Select TWO.)

A. sam mit
B. sam validate
C. sam build
D. sam deploy
E. sam publish

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 577
A company created an application to consume and process dat a. The application uses Amazon Simple Queue Service (Amazon SQS) and AWS Lambda functions.
The application is currently working as expected, but it occasionally receives several messages that it cannot process properly The company needs to clear these messages to prevent the queue from becoming blocked A developer must implement a solution that makes queue processing always operational. The solution must give the company the ability to defer the messages with errors and save these messages for further analysis What is the MOST operationally efficient solution that meets these requirements?

A. Configure Amazon CloudWatch Logs to save the error messages to a separate log stream
B. Create a new SQS queue. Set the new queue as a dead-letter queue for the application queue Configure the Maximum Receives setting.
C. Change the SQS queue to a FIFO queue Configure the message retention penod to 0 seconds
D. Configure an Amazon CloudWatch alarm for Lambda function errors Publish messages to an Amazon Simple Notification Service (Amazon SNS) topic to notify administrator users

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 578
A company is using Amazon RDS as the backend database for its application After a recent marketing campaign, a surge of read requests to the database increased the latency of data retrieval from the database.
The company has decided to implement a caching layer in front of the database. The cached content must be encrypted and must be highly available Which solution will meet these requirements?

A. Amazon CloudFront
B. Amazon ElastiCache for Memcached
C. Amazon ElastiCache for Redis in cluster mode
D. Amazon DynamoDB Accelerator (DAX)

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 579
A developer needs to create an application that supports Security Assertion Markup Language
(SAML) and authentication with social media providers. It must also allow access to AWS services such as Amazon DynamoDB.
Which AWS service or feature will meet these requirements with the LEAST amount of additional coding?

A. AWS AppSync
B. Amazon Cognito identrtv pools
C. Amazon Cognito user pools
D. Amazon Lambda@Edge

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 580
An application running on Amazon EC2 opens connections to an Amazon RDS SQL Server database The developer does not want to store the user name and password for the database in the code. The developer would also like to automatically rotate the credentials.
What is the MOST secure way to store and access the database credentials?

A. Create an IAM role that has permissions to access the database Attach the role to the EC2 instance
B. Use AWS Secrets Manager to store the credentials Retrieve the credentials from Secrets Manager as needed
C. Store the credentials in an encrypted text file in an Amazon S3 bucket Configure the EC2 instance's user data to download the credentials from Amazon S3 as the instance boots.
D. Store the user name and password credentials directly in the source code No further action is needed because the source code is stored in a private repository

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 581
A developer is writing an application to analyze the traffic to a fleet of Amazon EC2 instances. The EC2 instances run behind a public Application Load Balancer (ALB) An HTTP server runs on each of the EC2 instances, logging all requests to a log file.
The developer wants to capture the client public IP addresses. The developer analyzes the log files and notices only the IP address of the ALB What must the developer do to capture the client public IP addresses in the log file?

A. Add a Host header to the HTTP server log configuration file.
B. Install the Amazon CloudWatch Logs agent on each EC2 instance Configure the agent to write to the log file
C. Install the AWS X-Ray daemon on each EC2 instance. Configure the daemon to write to the log file
D. Add an X-Forwarded-For header to the HTTP server log configuration file

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 582
A developer is writing an application in Python. The application runs on AWS Lambd a. The application generates a file and needs to upload this file to Amazon S3.
The developer must implement this upload functionality with the least possible change to the application code Which solution meets these requirements?

A. Make an HTTP request directly to the S3 API to upload the file
B. Include the AWS SDK for Python in the Lambda function Use the SDK to upload the file
C. Use the AWS SDK for Python that is installed in the Lambda environment to upload the file
D. Use the AWS CLI that is installed in the Lambda environment to upload the file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 583
A company's ecommerce website is experiencing sudden and significant traffic changes that are causing performance problems in the company database. Users report that attempts to access the website are taking too long.
A developer needs to implement a caching layer by using Amazon ElastiCache. The website must be responsive, no matter which product a user views Updates to product information and prices must be strongly consistent.

Which cache-writing strategy will meet these requirements?

A. Write to the cache directly Synchronize the backend later
B. Write to the backend first Wait for the cache to expire
C. Write to the cache and the backend at the same time
D. Write to the backend first. Then update the TTL of the item in the cache=

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 584
A developer needs to migrate an application from on premises to AWS. The application is written m PHP, uses a MySQL database, and has a small number of users. The application receives a significant load for 1 week each month The developer must minimize the cost of migrating and running the application Which solution will meet these requirements?

A. Migrate the database to an Amazon Aurora single-instance cluster Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer Set the Auto Scaling group's minimum capacity to 1 Set up an Amazon ElastiCache for Memcached instance for sessions.
B. Redevelop the application to use serverless capabilities that include AWS Lambda. Amazon API Gateway, and Amazon Aurora Serverless Run the application code by using the standard Lambda PHP runtime environment Migrate the database to Aurora Serverless
C. Migrate the database to an Amazon Aurora single-instance cluster Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer (ALB) Set the Auto Scaling group's minimum capacity to 1 Enable session affinity (sticky sessions) on the ALB
D. Migrate the application to an Amazon Aurora two-instance cluster. Deploy the application on Amazon EC2 instances that are in an Auto Scaling group behind an Application Load Balancer Set the Auto Scaling group's minimum capacity to 2 Set up an Amazon ElastiCache for Memcached twoinstance cluster.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 585
An application runs on multiple EC2 instances behind an ELB.
Where is the session data best written so that it can be served reliably across multiple requests?

A. Write data to Amazon ElastiCache.
B. Write data to Amazon Elastic Block Store
C. Write data to Amazon EC2 Instance Store
D. Write data to the root filesystem

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 586
A company is developing a report implemented using AWS Step Functions. Amazon CloudWatch shows errors in the Step Functions task state machine. To troubleshoot each task the state input needs to be included along with the error message in the state output.
Which coding practice can preserve both the original input and the error for the state?

A. Use ResultPath in a Catch statement to include the error with the original input
B. Use InputPath in a Catch statement and set the value to null.
C. Use ErrorEquals in a Retry statement to include the error with the original input
D. Use OutputPath in a Retry statement and set the value to $.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 587
A company is building an application for stock trading. The application needs sub-millisecond latency for processing trade requests. The company uses Amazon DynamoDB to store all the trading data that is used to process each trading request A development team performs load testing on the application and finds that the data retrieval time is higher than expected. The development team needs a solution that reduces the data retrieval time with the least possible effort
Which solution meets these requirements?

A. Add local secondary indexes (LSIs) for the trading data
B. Store the trading data in Amazon S3 and use S3 Transfer Acceleration
C. Add retries with exponential backoff for DynamoDB queries
D. Use DynamoDB Accelerator (DAX) to cache the trading data

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 588
A static website is hosted in an Amazon S3 bucket Several HTML pages on the site use JavaScript to download images from another Amazon S3 bucket These images are not displayed when users browse the site.
What is the possible cause for the issue?

A. The referenced Amazon S3 bucket is in another region
B. The images must be stored in the same Amazon S3 bucket
C. Port 80 must be opened on the security group in which the Amazon S3 bucket is located
D. Cross Origin Resource Sharing must be enabled on the Amazon S3 bucket

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 589
A developer creates an AWS Lambda function to publish a message to an Amazon Simple Notification Service (Amazon SNS) topic All message content must be encrypted in transit and at rest between Lambda and Amazon SNS.
A part of the Lambda execution role is as follows:

```
"Effect": "Allow",
"Action": "SNS:Publish",
"Resource": "arn:aws:sns:us-east-1:1234567890:secure-topic"
```

Which combination of steps should the developer take to meet these requirements'? (Select TWO.)

A. Enable server-side encryption on the SNS topic
B. Add a Deny statement to the Lambda execution role Specify the SNS topic ARN as the resource Specify "aws.SecureTransport" "true" as the condition.
C. Create a VPC endpoint for Amazon SNS
D. Add a StringEquals condition of "sns Protocol" "https" to the Lambda execution role
E. Add a Deny statement to the Lambda execution role Specify the SNS topic ARN as the resource Specify "aws.SecureTransport" "false" as the condition.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 590
A developer needs to use the AWS CLI on an on-premises development server temporarily to access AWS services while performing maintenance. The developer needs to authenticate to AWS with their identity for several hours.
What is the MOST secure way to call AWS CLI commands with the developer's IAM identity?

A. Specify the developer's IAM access key ID and secret access key as parameters for each CLI command
B. Run the aws configure CLI command Provide the developer's IAM access key ID and secret access key
C. Specify the developer's IAM profile as a parameter for each CLI command
D. Run the get-session-token CLI command with the developer's IAM user. Use the returned credentials to call the CLI

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 591
A developer created a Lambda function for a web application backend When testing the Lambda function from the AWS Lambda console, the developer can see that the function is being run, but there is no log data being generated in Amazon CloudWatch Logs, even after several minutes.
What could cause this situation?

A. The Lambda function does not have any explicit log statements for the log data to send it to CloudWatch Logs
B. The Lambda function is missing CloudWatch Logs as a source trigger to send log data
C. The execution role for the Lambda function is missing permissions to write log data to the CloudWatch Logs
D. The Lambda function is missing a target CloudWatch Log group

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 592
A developer is making changes to a custom application that uses AWS Elastic Beanstalk.
Which solutions will update the Elastic Beanstalk environment with the new application version after the developer completes the changes? (Select TWO/)

A. Package the application code into a zip file. Use the AWS Management Console to upload the .zip file and deploy the packaged application.
B. Package the application code into a tar file Use the AWS Management Console to create a new application version from the tar file. Update the environment by using the AWS CLI.
C. Package the application code into a tar file Use the AWS Management Console to upload the tar file and deploy the packaged application
D. Package the application code into a zip file Use the AWS CLI to create a new application version from the zip file and to update the environment
E. Package the application code into a zip file. Use the AWS Management Console to create a new application version from the .zip file. Rebuild the environment by using the AWS CLI.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 593
A developer manages an application that interacts with Amazon RDS. Alter observing slow performance with read queries, the developer Implements Amazon ElastiCache to update the cache immediately following the primary database update.
What will be the result of this approach to caching?

A. Caching will increase the load on the database instance because the cache is updated for every database update.

B. Caching will slow performance of the read queries because the cache is updated when the cache cannot find the requested data

C. The cache will become large and expensive because the infrequently requested data is also written to the cache

D. Overhead will be added to the initial response time because the cache is updated only after a cache miss

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 594
A developer is testing a Docker-based application that uses the AWS SDK to interact with Amazon DynamoDB. In the local development environment the application has used 1AM access keys. The application is now ready for deployment onto an ECS cluster How should the application authenticate with AWS services in production?

A. Configure an ECS task 1AM role for the application to use

B. Refactor the application to call AWS STS AssumeRole based on an instance role

C. Configure AWS access key/secret access key environment variables with new credentials

D. Configure the credentials file with a new access key/secret access key

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 595
A company has dn application that analyzes photographs. A developer is preparing the application for deployment to Amazon EC2 instances. The application's image analysis functions require a mix of GPU instances and CPU instances that run on Amazon Linux. The developer needs to add code to the application so that the functions can determine whether they are running on a GPU instance What should the functions do to obtain this information?

A. Call the Descnbeinstances API operation and filter on the current instance ID Examine the EiasticGpuAssociations property

B. Evaluate the GPU_AVA1LABLE environment variable

C. Call the DescribeElasticGpus API operation

D. Retrieve the instance type from the instance metadata

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 596
A developer is creating a serverless web application and maintains different branches of code. The developer wants to avoid updating the Amazon API Gateway target endpoint each time a new code push is performed What solution would allow the developer to perform a code push efficiently, without the need to update the API Gateway'^

A. Associate different AWS Lambda functions to an API Gateway target endpoint

B. Create different stages in API Gateway then associate API Gateway with AWSLambda.

C. Create aliases and versions in AWS Lambda

D. Tag the AWS Lambda functions with different names

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 597
An application running on multiple Amazon EC2 instances pulls messages from a standard Amazon SQS queue. A requirement for the application is that all messages must be encrypted at rest Developers are instructed to use methods that allow tor centralized key management and minimize possible support requirements whenever possible.
Which of the following solutions supports these requirements?

A. Encrypt individual messages by using client-side encryption with customer managed keys, then write to the SQS queue
B. Encrypt individual messages by using SQS Extended Client and the Amazon S3 encryption client
C. Create an SQS queue and encrypt the queue by using server-side encryption with AWS KMS
D. Create an SQS queue, and encrypt the queue by using client-record encryption

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 598
An ecommerce company manages its application's infrastructure by using AWS Elastic Beanstalk. A developer wants to deploy the new version of the application with the least possible application downtime. The developer also must minimize the application's rollback time if there are issues with the deployment Which approach will meet these requirements?

A. Use a rolling deployment to deploy the new version
B. Use a rolling deployment with additional batches to deploy the new version
C. Use an all-at-once deployment to deploy the new version
D. Deploy the new version to a new environment Use a blue/green deployment

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 599
A developer is adding a feature to a client-side application so that users can upload videos to an Amazon S3 bucket.
What is the MOST secure way to give the application the ability to write files to the S3 bucket?

A. Update the S3 bucket policy to allow public write access. Allow any user to upload videos by removing the need to handle user authentication within the client-side application
B. Create a new IAM policy and a corresponding 1AM user with permissions to write to the S3 bucket Store the key and the secret for the user in the application code Use the key to authenticate the video uploads
C. Configure the API layer of the application to have a new endpoint that creates signed URLs that allow an object to be put into the S3 bucket Generate a presigned URL through this API call in the client application. Upload the video by using the signed URL
D. Generate a new 1AM key and a corresponding secret by using the AWS account root user credentials Store the key and the secret for the user in the application code. Use the key to authenticate the video uploads

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 600
A development team is building a new application that will run on Amazon EC2 and use Amazon DynamoDB as a storage layer. The developers all have assigned IAM user accounts in the same IAM group The developers currently can launch EC2 instances, and they need to be able to launch EC2 instances with an instance role allowing access to Amazon DynamoDB Which AWS 1AM changes are needed when creating an instance role to provide this functionality?

A. Create an iam permission policy attached to the role that allows access to DynamoDB Add a trust policy to the role that allows DynamoDB to assume the role Attach a permissions policy to the development group in AWS IAM that allows developers to use the IamGetRole and IamPassRole permissions for the role
B. Create an IAM permissions policy attached to the role that allows access to DynamoDB Add a trust policy to the role that allows Amazon EC2 to assume the role. Attach a permissions policy to the development group in AWS IAM that allows developers to use the iam PassRole permission for the role

C. Create an IAM permission policy attached to the role that allows access to Amazon EC2. Add a trust policy to the role that allows DynamoDB to assume the role Attach a permissions policy to the development group in AWS IAM that allows developers to use the iam PassRole permission for the role

D. Create an IAM permissions policy attached to the role that allows access to DynamoDB Add a trust policy to the role that allows Amazon EC2 to assume the role Attach a permissions policy to the development group in AWS IAM that allows developers to use the iam GetRole permission for the role

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 601
A developer has created a Java application that runs on AWS Elastic Beanstalk with the default Elastic Beanstalk instance profile. The developer needs to visualize a map of the application's interactions with AWS services to help identify and debug issues with the application Which combination of steps should the developer take to meet this requirement with the LEAST operational effort? (Select TWO.)

A. Instrument the code by using the AWS X-Ray software development kit (SDK) for Java

B. Create an Elastic Beanstalk configuration file to download and install the AWS X-Ray daemon on the underlying Amazon FC2 instances

C. Enable the AWS X-Ray daemon in the Elastic Beanstalk console

D. Enable Elastic Beanstalk enhanced health reporting

E. Configure AWS CloudTrail to visualize the services map

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 602
A developer is deploying an AWS Lambda function that writes to Amazon DynamoDB. Amazon CloudWatch metrics tor the Lambda function show that errors have occurred during some invocations of tho function However, there are no entries available in the CloudWatch logs for the function. The source code for the function shows that the function writes tog data before saving data What should the developer do to address the missing CloudWatch log entries of the Lambda function?

A. Assign permissions to the Lambda function's execution role to send logs to CloudWatch

B. Enable CloudWatch Lambda insigne Redeploy the Lambda function

C. Use AWS X-Ray Enable active tracing

D. Add CloudWatch as the trusted identity to the Lambda function's execution role

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 603
A developer wants to run a PHP website with an NGINX proxy and package them as Docker containers in one environment. The developer wants a managed environment with automated provisioning and load balancing. The developer cannot change the configuration and must minimize operational overhead How should the developer build the website to meet these requirements?

A. Create a new application in AWS Elastic Beanstalk that is preconfigured for a multicontamer Docker environment Upload the code, and deploy it to a web server environment.

B. Deploy the code on Amazon HC? instances in an Auto Scaling group behind an Application I oad Balancer

C. Construct an AWS Cloud Formation template that launches Amazon EC2 instances Install and configure the PHP code by using cfn helper scripts

D. Upload the code for the PHP website into an Amazon S3 bucket Host the website from the S3 bucket.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 604
A global company has a mobile app with static data stored in an Amazon S3 bucket in the us-east-1 Region. The company serves the content through an Amazon CloudFront distribution The company is launching the mobile app In South Africa The data must reside in the af south 1 Region The company does not want to deploy a specific, mobile client for South Africa What should the company do to meet these requirements?

A. Use the CloudFront geographic restriction feature to block access to users in South Africa
B. Create a Lambda@Edge function Associate the Lambda@Edge function as an origin request trigger with the CloudFront distribution to change the S3 origin Region
C. Create a Lambda@Edge function. Associate the Lambda@Edge function as a viewer response trigger with the CloudFront distribution to change the S3 origin Region
D. Include af-south-1 in the alternate domain name (CNAME) of the CloudFront distribution

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 605
A developer needs to deploy an application running on AWS Fargate using Amazon ECS The application has environment variables that must be passed to a container for the application to initialize How should the environment variables be passed to the container?

A. Define an array that includes the environment variables under the environment parameter within the service definition
B. Define an array that includes the environment variables under the environment parameter within the task definition
C. Define an array that includes the environment variables under the entryPoint parameter within the task definition
D. Define an array that includes the environment variables under the entryPoint parameter within the service definition.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 606
A developer received the following error message during an AWS Cloud Formation deployment:
Which action should the developer lake lo resolve this error?

A. Contact AWS Support to report an Issue with the Auto Scaling Groups (ASG) service
B. Add a DependsOn attribute to the ASGInstanceRole12345678 resource in the Cloud Formation template Then delete the stack
C. Modify the CloudFormation template to retain the ASGInstanceRole12345678 resource Then manually delete the resource after deployment
D. Add a force parameter when calling CloudFormation with the role-am of ASGInstanceRoiei2345678

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 607
A company is hosting a workshop for external users and wants to share the reference documents with the external users for 7 days. The company stores the reference documents In an Amazon S3 bucket that the company owns.
What is the MOST secure way to share the documents with the external users?

A. Use S3 presigned URLs to share the documents with the external users Set an expiration time of 7 days
B. Move the documents to an Amazon WorkDocs folder. Share the links of the WorkDocs folder with the external users.
C. Create temporary 1AM users that have read only access to the S3 bucket Share the access keys with the external users Expire the credentials alter 7 days
D. Create a role that has read-only access to the S3 bucket Share the Amazon Resource Name (ARN) of this role with the external users

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 608
A software company is using AWS CodeButld to build an application. The buildspec runs the application build and creates a Docker imago that contains the application The company needs to push the Docker imago to Amazon Elastic Container Registry (Amazon ECR) only upon the completion of each successful build Which solution meets these requirements?

A. Change the buildspec by adding a post_build phase that uses the commands block to push the Docker image
B. Change the buildspec by adding a post_build phase that uses the finally block to push the Docker image
C. Specify the Docker image in the buildspec's artifacts sequence with an action lo push the image
D. Use a batch build to define a build matrix Use the batch build to push the Docker image

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 609
A company has a website that is developed in PHP and is launched using AWS Elastic Beanstalk.
There is a new version of the website that needs to be deployed In the Elastic Beanstalk environment. The company cannot tolerate having the website offline if an update fails Deployments must have minimal impact and rollback as soon as possible What deployment method should be used?

A. All at once
B. Rolling
C. Snapshots
D. Immutable

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 610
A company has a serverless application that uses AWS Lambda functions and AWS Systems Manager parameters to store configuration data The company moves the Lambda functions inside the VPC and into private subnets The Lambda functions are now producing errors in their attempts to access Systems Manager parameters.
Which solution will allow the Lambda functions to access Systems Manager parameters inside the VPC?

A. Configure security groups to allow access to Systems Manager
B. Create an interface VPC endpoint for Systems Manager
C. Use an internet gateway from inside the VPC
D. Create a gateway VPC endpoint for Systems Manager

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 611
A developer has created an AWS Lambda function lo provide notification through Amazon Simple Notification Service (Amazon SNS) whenever a file is uploaded to Amazon S3 that is larger than 50 MB The developer has deployed and

tested the Lambda function by using the CI I However, when the event notification is added to the S3 bucket and a 3.000 MB file is uploaded, the Lambda function does not launch Which of the following is a possible reason for the Lambda function's inability to launch?

A. The S3 event notification does not activate for files that are larger than 1.000 MB
B. The resource based policy for the Lambda function does not have the required permissions to be invoked by Amazon S3
C. Lambda functions cannot be invoked directly from an S3 event.
D. The S3 bucket needs to be made public

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 612
An ecommerce application is running behind an Application Load Balancer. A developer observes some unexpected load on the application during non-peak hours. The developer wants to analyze patterns for the client IP addresses that use the application Which HTTP header should the developer use for this analysis?

A. The X-Forwarded-Proto header
B. The X-Forwarded-Host header
C. The X Forwarded For header
D. The X-Forwarded-Port header

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 613
A company is running a web application that is using Amazon Cognito for authentication The company does not want to use multi-factor authentication (MFA) for all the visitors every time, but the company's security team has concerns about compromised credentials The development team needs to configure mandatory MFA only when suspicious sign in attempts are detected.
Which Amazon Cognito feature will meet these requirements?

A. Short message service (SMS) text message MFA
B. Advanced security metrics
C. Time-based one-time password (TOTP) software token MFA
D. Adaptive authentication

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 614
An application is using Amazon DynamoDB as its data store, and should be able to read 100 items per second as strongly consistent reads Each item is 5 KB in size.
To what value should the table's provisioned read throughput be set?

A. 50 read capacity units
B. 100 read capacity units
C. 200 read capacity units
D. 500 read capacity units

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 615
A developer is receiving kttp 400 : ThrorclingExceprion errors intermittently when calling the Amazon CloudWatch API. When a call (ails, no data is retrieved What best practice should first be applied to address this issue?

A. Contact AWS Support for a limit increase.
B. Use the AWS CLI to get the metrics
C. Analyze the applications and remove the API call
D. Retry the call with exponential backoff

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 616
A developer needs to build and deploy a serverless application that has an API that mobile clients will use. The API will use Amazon DynamoDB and Amazon OpenSearch Service (Amazon Elasticsearch Service) as data sources Responses that are sent to the clients will contain aggregated data from both data sources The developer must minimize the number of API endpoints and must minimize the number of API calls that are required to retrieve the necessary data Which solution should the developer use to meet these requirements?

A. GraphQI. API on AWS AppSync
B. REST API on Amazon API Gateway
C. GraphGL API on an Amazon EC2 instance
D. REST API on AWS Elastic Beanstalk

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 617
A company wants to migrate an existing on-premises web application to AWS. The existing technology stacks consist of configuration files, application code that connects to a MySQL database by using a language-specific MySQL API, and a source code repository that holds configuration files and program code A developer uses an Amazon RDS for MySQL DB instance as the target database The developer uses a container as the compute engine for the web application program code The developer wants to configure the database connection from the web application code to the new RDS for MySQL DB instance without refactoring the existing code The developer also must maximize security for the storage of the database user name and password pair that the application code uses Which combination of steps should the developer take to meet these requirements? (Select TWO)

A. Use the RDS software development kit (SDK) to construct a database client.
B. Keep the existing database connectivity API code unchanged Change the database connection string URL to the endpoint of the RDS for MySQL DB instance
C. Store the database's user name and password pair in the configuration files
D. Use AWS Secrets Manager to store the database's user name and password pair Use the GetSecretValue API operation to retrieve the user name and password pair when the application makes MySQL DB API calls
E. Use the environment variables of the container definition to pass the database's user name and password pair to the application code

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 618
Which of the following security resources are supplied by AWS? (Select TWO.)

A. Trusted Advisor checks

B. Service intrusion metrics

C. Penetration testing

D. Educational webinars

E. Peer-to-peer file-sharing detection

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 619
Which controls does the customer fully if inherit from AWS on AWS in the AWS shared responsibility model?

A. Patch management controls

B. Awareness and training controls

C. Physical and environmental controls

D. Configuration management controls

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 620
What is an IAM best practice for AWS account root user access keys?

A. Delete all root user access keys, if possible

B. Use root user credentials to access sensitive information stored on AWS

C. Allow the system administrator group to use the root users credentials for daily access

D. Use root user credentials to access production database instances

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation: