Amazon AWS Certified Cloud Practitioner Questions & Answers

AWS Certified Cloud Practitioner

Version: 18.0

QUESTION NO: 1

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

A.
Ensuring that disk drives are wiped after use.

B.
Ensuring that firmware is updated on hardware devices.

C.
Ensuring that data is encrypted at rest.

D.
Ensuring that network cables are category six or higher.

Answer: C
Reference: https://www.whizlabs.com/blog/aws-security-shared-responsibility/

QUESTION NO: 2

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

A.
Cost allocation tags

B.
Consolidated billing

C.
AWS Budgets

D.
AWS Marketplace

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

QUESTION NO: 3

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

A.
Amazon Glacier

B.
AWS Storage Gateway

C.
Amazon S3

D.
Amazon EBS

Answer: C
Reference: https://aws.amazon.com/s3/faqs/

QUESTION NO: 4

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

A.
AWS Enterprise Support

B.
AWS Solutions Architects

C.
AWS Professional Services

D.
AWS Account Managers

Answer: C
Reference: https://aws.amazon.com/professional-services/

QUESTION NO: 5

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

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

A.
AWS Partner Network Technology Partners

B.
AWS Marketplace

C.
AWS Partner Network Consulting Partners

D.
AWS Service Catalog

Answer: C
Explanation:

QUESTION NO: 6

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

A.
Implement automation.

B.
Design for agility.

C.
Design for failure.

D.
Implement elasticity.

Answer: C

Explanation:

QUESTION NO: 7

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

A.
Amazon EC2

B.
Amazon Relational Database Service (Amazon RDS)

C.
Amazon Aurora

D.
Amazon Redshift

E.
Amazon S3

Answer: A,B
Reference: https://aws.amazon.com/sql/

QUESTION NO: 8

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

A.
AWS Cost Explorer

B.
AWS Trusted Advisor

C.
Consolidated billing

D.
Detailed billing

Answer: B
Explanation:

QUESTION NO: 9

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

A.
Spot Instances

B.
Reserved Instances

C.
Dedicated Hosts

D.
On-Demand Instances

Answer: C
Reference: https://aws.amazon.com/ec2/pricing/

QUESTION NO: 10

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

A.
High availability

B.
Shared security model

C.
Elasticity

D.
Pay-as-you-go pricing

E.
Reliability

Answer: C,D
Explanation:

QUESTION NO: 11

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

A.
Amazon CloudWatch

B.
AWS CloudTrail

C.
AWS Config

D.
AWS Health

Answer: B
Reference: https://aws.amazon.com/cloudtrail/

QUESTION NO: 12

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

A.
A global file system

B.
An object store

C.
A local file store

D.
A network file system

E.
A durable storage system

Answer: B,E
Explanation:

QUESTION NO: 13

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

A.
Amazon Route 53

B.
Virtual Private Gateway

C.
Classic Load Balancer

D.
Auto Scaling

E.
Amazon CloudWatch default metrics

Answer: A,B
Reference: https://www.stratoscale.com/blog/cloud/building-hybrid-cloud-environment-using-amazon-cloud/

QUESTION NO: 14

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

A.
Project management

B.
Antivirus software licensing

C.
Data center security

D.
Software development

Answer: C
Explanation:

QUESTION NO: 15

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

Which service should the company use?

A.
Amazon Redshift

B.
Amazon DynamoDB

C.
Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store

D.
Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)

Answer: D
Explanation:

QUESTION NO: 16

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

A.

Data centers contain regions.

B.

Regions contain Availability Zones.

C.

Availability Zones contain edge locations.

D.

Edge locations contain regions.

Answer: B

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

QUESTION NO: 17

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

A.
Detailed billing report

B.
Cost allocation tags

C.
AWS Simple Monthly Calculator

D.
AWS Total Cost of Ownership (TCO) Calculator

E.
Cost Estimator

Answer: B,C,D
Explanation:

QUESTION NO: 18

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

A.

The ability to receive one bill for multiple accounts

B.

Service limits increasing by default in all accounts

C.

A fixed discount on the monthly bill

D.

Potential volume discounts, as usage in all accounts is combined

E.

The automatic extension of the master account's AWS support plan to all accounts

Answer: A,D
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html

QUESTION NO: 19

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

A.
One-year, No Upfront, Standard RI pricing

B.
One-year, All Upfront, Convertible RI pricing

C.
Three-year, All Upfront, Standard RI pricing

D.
Three-year, No Upfront, Convertible RI pricing

Answer: C
Reference: https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/

QUESTION NO: 20

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

A.
greater variable costs and greater upfront costs.

B.
fixed usage costs and lower upfront costs.

C.
lower variable costs and greater upfront costs.

D.
lower variable costs and lower upfront costs.

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

QUESTION NO: 21

A characteristic of edge locations is that they:

A.
host Amazon EC2 instances closer to users.

B.
help lower latency and improve performance for users.

C.
cache frequently changing data without reaching the origin server.

D.
refresh data changes daily.

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

QUESTION NO: 22

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

A.
A public and private key-pair

B.
Amazon Inspector

C.
AWS Identity and Access Management (IAM) policies

D.
Security Groups

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

QUESTION NO: 23

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

A.
Calling AWS Support

B.
Contacting AWS Professional Services to request a workshop

C.
Accessing forums, blogs, and whitepapers

D.
Attending AWS classes at a local university

Answer: C
Explanation:

QUESTION NO: 24

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

A.
Dedicated RIs

B.
Scheduled RIs

C.
Convertible RIs

D.
Standard RIs

Answer: C
Reference: https://aws.amazon.com/ec2/pricing/reserved-instances/

QUESTION NO: 25

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

A.
Shared responsibility security model

B.
Single tenancy

C.
Elastic computing

D.
Encryption

Answer: C
Explanation:

QUESTION NO: 26

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

A.
AWS CodePipeline

B.
Elastic Load Balancing

C.
Amazon EBS

D.
AWS Direct Connect

Answer: B
Reference: https://aws.amazon.com/elasticloadbalancing/

QUESTION NO: 27

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

A.
Amazon Inspector

B.
AWS CloudTrail

C.
AWS Artifact

D.
AWS Certificate Manager

Answer: C
Reference: https://aws.amazon.com/compliance/soc-faqs/

QUESTION NO: 28

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

A.
Patching operating system components for Amazon Relational Database Server (Amazon RDS)

B.
Encrypting data on the client-side

C.
Training the data center staff

D.
Configuring Network Access Control Lists (ACL)

E.
Maintaining environmental controls within a data center

Answer: B,D
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 29

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

A.
Ensure that components have low-latency network connectivity.

B.
Run enough Amazon EC2 instances to operate at peak load.

C.
Ensure that the application is designed to accommodate failure of any single component.

D.
Use a monolithic application that handles all operations.

Answer: C
Explanation:

QUESTION NO: 30

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

A.
Use tightly coupled components.

B.
Use loosely coupled components.

C.
Use infrequently coupled components.

D.
Use frequently coupled components.

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

QUESTION NO: 31

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

A.
Implementing Amazon Rekognition

B.
Using AWS Shield-protected resources

C.
Blocking access with Security Groups

D.
Using Multi-Factor Authentication (MFA)

E.
Enforcing password strength and expiration

Answer: D,E

Explanation:

QUESTION NO: 32

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

A.
Amazon Glacier

B.
Amazon RDS

C.
AWS Snowball

D.
Amazon Redshift

E.
Amazon EFS

Answer: B,E
Explanation:

QUESTION NO: 33

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

A.
It simplifies relational database administration tasks.

B.
It provides 99.99999999999% reliability and durability.

C.
It automatically scales databases for loads.

D.
It enables users to dynamically adjust CPU and RAM resources.

Answer: A
Explanation:

QUESTION NO: 34

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

Which AWS service should they use?

A.
Amazon Aurora

B.
Amazon Redshift

C.
Amazon DynamoDB

D.
Amazon ElastiCache

Answer: A
Reference: https://aws.amazon.com/rds/aurora/serverless/

QUESTION NO: 35

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

A.
Availability Zone

B.
Edge location

C.
Region

D.

Private networking

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

QUESTION NO: 36

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

A.
Providing a key for Amazon S3 client-side encryption

B.
Configuration of an Amazon EC2 instance

C.
Environmental controls of physical AWS data centers

D.
Awareness and training

Answer: D
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 37

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

A.
A minimum of one

B.
A minimum of two

C.
A minimum of three

D.

A minimum of four or more

Answer: B

Explanation:

QUESTION NO: 38

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

A.

it allows the business to eliminate IT bills.

B.

it allows the business to put a server in each customer's data center.

C.

it allows the business to focus on business activities.

D.

it allows the business to leave servers unpatched.

Answer: C

Explanation:

QUESTION NO: 39

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

A.

Amazon S3

B.

Amazon Glacier

C.

Amazon EBS

D.
Amazon EC2 Instance Store

Answer: A
Explanation:

QUESTION NO: 40

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

A.
API keys

B.
Access keys

C.
User names/Passwords

D.
SSH keys

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

QUESTION NO: 41

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

A.
Amazon Redshift

B.
Amazon RDS

C.
Amazon DynamoDB

D.

Amazon S3

Answer: C
Reference: https://aws.amazon.com/dynamodb/

QUESTION NO: 42

What is an example of agility in the AWS Cloud?

A.
Access to multiple instance types

B.
Access to managed services

C.
Using Consolidated Billing to produce one bill

D.
Decreased acquisition time for new compute resources

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

QUESTION NO: 43

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

A.
AWS IAM

B.
AWS Organizations

C.
AWS Schema Conversion Tool

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/organizations/

QUESTION NO: 44

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

A.
Using many instances in parallel

B.
Using a single large instance during off-peak hours

C.
Using dedicated hardware

D.
Using a large GPU instance type

Answer: A
Reference: https://aws.amazon.com/solutions/case-studies/encoding/

QUESTION NO: 45

For which auditing process does AWS have sole responsibility?

A.
AWS IAM policies

B.
Physical security

C.

Amazon S3 bucket policies

D.
AWS CloudTrail Logs

Answer: B
Explanation:

QUESTION NO: 46

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

A.
Fault tolerance

B.
Global reach

C.
Pay-as-you-go pricing

D.
High availability

Answer: B
Explanation:

QUESTION NO: 47

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

A.
Patching underlying infrastructure

B.
Physical security

C.
Patching Amazon EC2 instances

D.

Patching network infrastructure

Answer: C

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

QUESTION NO: 48

A customer is using multiple AWS accounts with separate billing.

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

A.

Create one global AWS acount and move all AWS resources to tha account.

B.

Sign up for three years of Reserved Instance pricing up front.

C.

Use the consolidated billing feature from AWS Organizations.

D.

Sign up for the AWS Enterprise support plan to get volume discounts.

Answer: C

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

QUESTION NO: 49

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

A.

Summaries by Amazon Simple Notification Service (Amazon SNS)

B.

Free Amazon Elasticsearch Service analytics

C.
Provided at no charge

D.
Real-time monitoring

E.
Adjustable retention

Answer: D,E
Explanation:

QUESTION NO: 50

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

A.
Amazon Route 53

B.
Amazon Neptune

C.
Amazon SageMaker

D.
Amazon Lightsail

Answer: A
Reference: https://aws.amazon.com/getting-started/tutorials/get-a-domain/

QUESTION NO: 51

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

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

A.

Reduced latency to users

B.

The application's presentation in the local language

C.

Data sovereignty compliance

D.

Cooling costs in hotter climates

E.

Proximity to the customer's office for on-site visits

Answer: A,C
Explanation:

QUESTION NO: 52

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

A.
Amazon Glacier

B.
Amazon DynamoDB

C.
Amazon Elastic File System (Amazon EFS)

D.
Amazon Simple Storage Service (Amazon S3)

Answer: D
Reference: https://aws.amazon.com/getting-started/projects/host-static-website/

QUESTION NO: 53

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

A.
Reserved Instances

B.
On-Demand

C.
Dedicated Hosts

D.
Spot Instances

Answer: D
Reference: https://aws.amazon.com/ec2/spot/

QUESTION NO: 54

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

A.
Physical access controls

B.
Data encryption

C.
Secure disposal of storage devices

D.
Environmental risk management

Answer: B
Explanation:

QUESTION NO: 55

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

A.
Amazon EC2

B.
Amazon Route 53

C.
Amazon ElastiCache

D.
Amazon DynamoDB

Answer: A
Explanation:

QUESTION NO: 56

A company is looking for a scalable data warehouse solution.

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

A.
Amazon Simple Storage Service (Amazon S3)

B.
Amazon DynamoDB

C.
Amazon Kinesis

D.
Amazon Redshift

Answer: D
Reference: https://aws.amazon.com/redshift/

QUESTION NO: 57

Which statement best describes Elastic Load Balancing?

A.

It translates a domain name into an IP address using DNS.

B.

It distributes incoming application traffic across one or more Amazon EC2 instances.

C.

It collects metrics on connected Amazon EC2 instances.

D.

It automatically adjusts the number of Amazon EC2 instances to support incoming traffic.

Answer: B
Reference: https://aws.amazon.com/elasticloadbalancing/

QUESTION NO: 58

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

A.
Command line interface

B.
On-premises

C.
Software Development Kits

D.
Software-as-a-service

E.
Hybrid

Answer: A,C
Explanation:

QUESTION NO: 59

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

A.

agility.

B.

global infrastructure.

C.

elasticity.

D.

pay-as-you-go pricing.

Answer: B
Explanation:

QUESTION NO: 60

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

A.
AWS Storage Gateway

B.
Amazon S3

C.
Amazon Elastic File System (EFS)

D.
Amazon Glacier

E.
Amazom CloudFront

Answer: B,E
Reference: https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/

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

QUESTION NO: 61

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

What term would describe this model?

A.
Cloud-native

B.
Partner network

C.
Hybrid architecture

D.
Infrastructure as a service

Answer: C
Reference: https://aws.amazon.com/enterprise/hybrid/

QUESTION NO: 62

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

A.
They require the customer to monitor and replace failing instances.

B.
They have better performance than customer-managed services.

C.
They simplify patching and updating underlying OSs.

D.
They do not require the customer to optimize instance type or size selections.

Answer: C
Explanation:

QUESTION NO: 63

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

A.
Amazon Redshift

B.
Amazon Elastic File System (Amazon EFS)

C.
Amazon Elastic Container Service (Amazon ECS)

D.
Amazon S3

Answer: D
Reference: https://aws.amazon.com/what-is-cloud-object-storage/

QUESTION NO: 64

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

A.
IAM group

B.
IAM user

C.
IAM role

D.
IAM policy

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

QUESTION NO: 65

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

A.
Multi-factor authentication physical tokens

B.
AWS Trusted Advisor security checks

C.
Data encryption

D.
Automated penetration testing

E.
Amazon S3 copyrighted content detection

Answer: B,C
Reference: https://aws.amazon.com/security/

QUESTION NO: 66

Which AWS managed service is used to host databases?

A.
AWS Batch

B.
AWS Artifact

C.
AWS Data Pipeline

D.

Amazon RDS

Answer: D
Explanation:

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

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

QUESTION NO: 67

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

A.
Amazon S3

B.
Amazon Glacier

C.
Amazon Elastic Block Store (Amazon EBS)

D.
Amazon Elastic File System (Amazon EFS)

Answer: D
Explanation:

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

Amazon EFS is designed to provide the throughput, IOPS, and low latency needed for Linux workloads. Throughput and IOPS scale as a file system grows and can burst to higher throughput levels for short periods of time to support the unpredictable performance needs of file workloads.

For the most demanding workloads, Amazon EFS can support performance over 10 GB/sec and up to 500,000 IOPS.

QUESTION NO: 68

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

A.
Use the largest instance possible

B.
Provision capacity for peak load

C.
Use the Scrum development process

D.
Implement elasticity

Answer: D
Explanation:

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

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

QUESTION NO: 69

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

A.
Amazon RDS

B.
Amazon Glacier

C.
AWS Snowball

D.
AWS EBS

Answer: B
Explanation:

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

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

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

QUESTION NO: 70

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

A.
Physical controls

B.
Patch management

C.
Zone security

D.
Data center auditing

Answer: B

Explanation:

QUESTION NO: 71

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

A.
AWS VPN

B.
Amazon Redshift

C.
API Gateway

D.
Amazon Connect

Answer: D
Explanation:

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

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

QUESTION NO: 72

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

Which service would meet that need by enabling serverless architectures?

A.
Amazon Elastic Compute Cloud (Amazon EC2)

B.
AWS Lambda

C.
Amazon DynamoDB

D.
AWS CodeCommit

Answer: B
Explanation:

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

QUESTION NO: 73

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

A.
AWS Personal Health Dashboard

B.
AWS Service Health Dashboard

C.
AWS Trusted Advisor

D.
AWS Infrastructure Event Management

Answer: A
Explanation:

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

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

QUESTION NO: 74

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

A.
Fault Tolerance

B.
Instance Usage

C.
Infrastructure

D.
Performance

E.
Storage Capacity

Answer: A,D
Explanation:

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

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

QUESTION NO: 75

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

A.
Granting access to individuals and services

B.

Encrypting data in transit

C.
Updating Amazon EC2 host firmware

D.
Updating operating systems

Answer: C
Explanation:

AWS Compliance enables customers to establish and operate in an AWS security control environment

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

QUESTION NO: 76

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

A.
AWS Marketplace

B.
Amazon Lumberyard

C.
AWS Artifact

D.
Amazon CloudSearch

Answer: A
Explanation:

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

Reference: https://aws.amazon.com

QUESTION NO: 77

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

A.
Permissive security removes the administrative burden.

B.
Ability to focus on revenue-generating activities.

C.
Control over cloud network hardware.

D.
Choice of specific cloud hardware vendors.

Answer: B
Explanation:

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

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

QUESTION NO: 78

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

A.
Dedicated Hosts

B.
Reserved Instances

C.

On-Demand Instances

D.
No Upfront Reserved Instances

Answer: A
Explanation:

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

QUESTION NO: 79

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

A.
AWS CodePipeline

B.
AWS CodeDeploy

C.
AWS Direct Connect

D.
AWS CloudFormation

Answer: D
Explanation:

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

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

QUESTION NO: 80

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

A.
AWS Config

B.
AWS Trusted Advisor

C.
Amazon CloudWatch

D.
Amazon Inspector

Answer: A
Explanation:

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

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

QUESTION NO: 81

What is Amazon CloudWatch?

A.
A code repository with customizable build and team commit features.

B.
A metrics repository with customizable notification thresholds and channels.

C.
A security configuration repository with threat analytics.

D.
A rule repository of a web application firewall with automated vulnerability prevention features.

Answer: B
Explanation:

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

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

QUESTION NO: 82

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

A.
AWS Server Migration Service

B.
AWS Organizations

C.
AWS Budgets

D.
AWS Trusted Advisor

Answer: B
Explanation:

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

Consolidated billing has the following benefits:

QUESTION NO: 83

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

A.
AWS Elastic Beanstalk

B.
AWS OpsWorks

C.
AWS CodeDeploy

D.
AWS Batch

E.
AWS X-Ray

Answer: B,C
Reference: https://docs.aws.amazon.com/codedeploy/latest/userguide/instances-on-premises.html

https://aws.amazon.com/blogs/aws/opsworks-on-prem-and-existing-instances/

QUESTION NO: 84

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

A.
On-Demand Instances

B.
Reserved Instances

C.
Spot Instances

D.
Convertible Reserved Instances

Answer: C

Explanation:

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

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

QUESTION NO: 85

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

A.
Use manual monitoring.

B.
Use fixed servers.

C.
Implement loose coupling.

D.
Rely on individual components.

E.
Design for scalability.

Answer: C,E

Explanation:

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

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

QUESTION NO: 86

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

A.
Enterprise

B.
Business

C.
Developer

D.
Basic

Answer: B
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 87

Where can AWS compliance and certification reports be downloaded?

A.
AWS Artifact

B.
AWS Concierge

C.
AWS Certificate Manager

D.
AWS Trusted Advisor

Answer: A
Explanation:

WS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS's security and compliance reports and select online agreements. The AWS SOC 2 report is particularly helpful for completing questionnaires because

it provides a comprehensive description of the implementation and operating effectiveness of AWS security controls. Another useful document is the Executive Briefing within the AWS FedRAMP Partner Package.

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

QUESTION NO: 88

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

A.
AWS Service Health Dashboard

B.
AWS X-Ray

C.
AWS Personal Health Dashboard

D.
Amazon CloudWatch

Answer: C
Explanation:

Personal Health Dashboard gives you a personalized view of the status of the AWS services that power your applications, enabling you to quickly see when AWS is experiencing issues that may impact you. For example, in the event of a lost EBS volume associated with one of your EC2 instances, you would gain quick visibility into the status of the specific service you are using, helping save precious time troubleshooting to determine root cause.

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

QUESTION NO: 89

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

A.

Volume pricing qualification

B.

Shared access permissions

C.

Multiple bills per account

D.

Eliminates the need for tagging

Answer: A

Explanation:

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

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

QUESTION NO: 90

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

A.

Conduct penetration testing using Amazon Inspector, and then notify AWS support.

B.

Request and wait for approval from the customer's internal security team, and then conduct testing.

C.

Notify AWS support, and then conduct testing immediately.

D.

Request and wait for approval from AWS support, and then conduct testing.

Answer: D

Explanation:

AWS customers are welcome to carry out security assessments or penetration tests against their

AWS infrastructure without prior approval for 8 services.

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

QUESTION NO: 91

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

A.
Amazon Elastic Block Store (Amazon EBS)

B.
Amazon Machine Image

C.
Amazon EC2 Systems Manager

D.
Amazon AppStream 2.0

Answer: B
Explanation:

To use Amazon EC2, you simply:

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

QUESTION NO: 92

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

A.
Apply an IAM policy to an IAM group.

B.
Apply an IAM policy to an IAM role.

C.

Apply the same IAM policy to all IAM users with access to the same workload.

D.

Apply an IAM policy to an Amazon Cognito user pool.

Answer: A

Explanation:

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

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

QUESTION NO: 93

What technology enables compute capacity to adjust as loads change?

A.

Load balancing

B.

Automatic failover

C.

Round robin

D.

Auto Scaling

Answer: D

Explanation:

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and

indexes, and Amazon Aurora Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you're already using Amazon EC2 Auto Scaling to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

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

QUESTION NO: 94

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

A.
Amazon Route 53

B.
Amazon EC2

C.
Amazon S3

D.
Amazon CloudFront

E.
Amazon DynamoDB

Answer: A,D
Reference: http://jayendrapatil.com/aws-global-vs-regional-vs-az-resources/

QUESTION NO: 95

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

A.
AWS Artifact

B.
AWS Lambda

C.
Amazon Inspector

D.
AWS Certificate Manager

Answer: A
Explanation:

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

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

QUESTION NO: 96

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

A.
Ensuring that application data is encrypted at rest

B.
Ensuring that AWS NTP servers are set to the correct time

C.
Ensuring that users have received security training in the use of AWS services

D.
Ensuring that access to data centers is restricted

E.
Ensuring that hardware is disposed of properly

Answer: A,C

Explanation:

QUESTION NO: 97

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

A.
Amazon EBS

B.
Amazon S3

C.
Amazon EC2

D.
Amazon ECS

Answer: C
Explanation:

QUESTION NO: 98

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

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

A.
Amazon EC2 Spot Instances

B.
Amazon EC2 Dedicated Instances

C.
Amazon EC2 On-Demand Instances

D.
Amazon EC2 Reserved Instances

Answer: D

Explanation:

QUESTION NO: 99

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

A.

reduced Total Cost of Ownership (TCO).

B.

increased capital expenditure (capex).

C.

reduced operational expenditure (opex).

D.

deferred payment plans for startups.

E.

business credit lines for stratups.

Answer: A,C

Explanation:

QUESTION NO: 100

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

A.

AWS Cost Explorer

B.

AWS Budgets

C.

AWS Cost and Usage report

D.

AWS Billing dashboard

Answer: C
Explanation:

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

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

QUESTION NO: 101

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

A.
AWS Concierge

B.
AWS CloudFormation

C.
Amazon Simple Storage Service (Amazon S3)

D.
Amazon EC2 Auto Scaling

E.
AWS Management Console

Answer: E
Explanation:

QUESTION NO: 102

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

A.

Implement single points of failure.

B.

Implement loose coupling.

C.

Implement monolithic design.

D.

Implement vertical scaling.

Answer: B

Explanation:

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

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

QUESTION NO: 103

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

A.
Enable AWS CloudTrail.

B.
Grant least privilege access to IAM users.

C.
Create one IAM user and share with many developers and users.

D.
Enable Amazon CloudFront.

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

Answer: B,E

Explanation:

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

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

QUESTION NO: 104

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

A.
Amazon Glacier

B.
AWS Snowball

C.
AWS Storage Gateway

D.
Amazon Elastic Block Storage (Amazon EBS)

Answer: C

Explanation:

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

Reference: https://aws.amazon.com/storagegateway/?whats-new-cards.sort-

by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc

QUESTION NO: 105

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

A.
Amazon RDS

B.
Amazon EC2

C.
Amazon ElastiCache

D.
AWS Fargate

Answer: B
Explanation:

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

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

QUESTION NO: 106

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

A.
Use multiple Availability Zones.

B.
Use tightly coupled components.

C.

Use open source software.

D.

Provision extra capacity.

Answer: A

Explanation:

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

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

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

QUESTION NO: 107

Which AWS support plan includes a dedicated Technical Account Manager?

A.

Developer

B.

Enterprise

C.

Business

D.

Basic

Answer: B

Explanation:

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

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

QUESTION NO: 108

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

A.
AWS manages the data stored in Amazon RDS tables.

B.
AWS manages the maintenance of the operating system.

C.
AWS automatically scales up instance types on demand.

D.
AWS manages the database type.

Answer: B
Explanation:

QUESTION NO: 109

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

A.
Amazon Machine Learning

B.
Amazon SQS

C.
Amazon ElastiCache

D.
Amazon EC2 Instance Store

Answer: C
Explanation:

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

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

QUESTION NO: 110

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

A.
Patching operating system software

B.
Encrypting data

C.
Enforcing multi-factor authentication

D.
Auditing physical data center assets

Answer: D
Explanation:

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

QUESTION NO: 111

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

A.

AWS Trusted Advisor

B.

AWS Online Tech Talks

C.

AWS Blog

D.

AWS Forums

E.

AWS Classroom Training

Answer: B,E
Explanation:

QUESTION NO: 112

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

A.

Amazon CloudFront distributions

B.

Amazon Route 53

C.

Security Groups

D.

Subnets

E.

Elastic Load Balancing

Answer: C,D
Explanation:

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the
AWS Cloud where you can launch AWS resources in a virtual network that you define. You have
complete control over your virtual networking environment, including selection of your own IP

address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

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

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

QUESTION NO: 113

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

A.
Use AWS Budgets on each account to pay only to budget.

B.
Contact AWS Support for a monthly bill.

C.
Create an AWS Organization from the payer account and invite the other accounts to join.

D.
Put all invoices into one Amazon Simple Storage Service (Amazon S3) bucket, load data into Amazon Redshift, and then run a billing report.

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

QUESTION NO: 114

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

A.

Periodic price reductions as the result of Amazon's operational efficiencies

B.

New Amazon EC2 instance types providing the latest hardware

C.

The ability to scale up and down when needed

D.

Increased reliability in the underlying hardware of Amazon EC2 instances

Answer: A
Explanation:

QUESTION NO: 115

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

A.
Amazon CloudFront

B.
AWS Cloud9

C.
AWS CloudTrail

D.
AWS CloudHSM

E.
Amazon CloudWatch

Answer: C,E
Explanation:

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

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

QUESTION NO: 116

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

A.
Patching databases software

B.
Testing application releases

C.
Backing up databases

D.
Creating database schema

E.
Running penetration tests

Answer: A,C
Explanation:

QUESTION NO: 117

In which scenario should Amazon EC2 Spot Instances be used?

A.
A company wants to move its main website to AWS from an on-premises web server.

B.
A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.

C.
A company's heavily used legacy database is currently running on-premises.

D.

A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances.

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

QUESTION NO: 118

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

A.
AWS Direct Connect

B.
Availability Zones

C.
Data centers

D.
Amazon Virtual Private Cloud (Amazon VPC)

Answer: B
Explanation:

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

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

QUESTION NO: 119

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

A.
Enterprise

B.
Business

C.
Developer

D.
Basic

Answer: A
Explanation:

QUESTION NO: 120

Which AWS service can serve a static website?

A.
Amazon S3

B.
Amazon Route 53

C.
Amazon QuickSight

D.
AWS X-Ray

Answer: A
Explanation:

You can host a static website on Amazon Simple Storage Service (Amazon S3). On a static website, individual webpages include static content. They might also contain client-side scripts. By contrast, a dynamic website relies on server-side processing, including server-side scripts such as PHP, JSP, or ASP.NET. Amazon S3 does not support server-side scripting.

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

QUESTION NO: 121

How does AWS shorten the time to provision IT resources?

A.
It supplies an online IT ticketing platform for resource requests.

B.
It supports automatic code validation services.

C.
It provides the ability to programmatically provision existing resources.

D.
It automates the resource request process from a company's IT vendor list.

Answer: C
Explanation:

QUESTION NO: 122

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

A.
Hosting applications

B.
Delivering content closer to users

C.
Running NoSQL database caching services

D.
Reducing traffic on the server by caching responses

E.
Sending notification messages to end users

Answer: B,D
Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to

the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

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

QUESTION NO: 123

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

A.
A public and private key-pair

B.
Amazon Inspector

C.
AWS Identity and Access Management (IAM) policies

D.
Security Groups

Answer: C
Explanation:

To allow users to perform S3 actions on the bucket from the VPC endpoints or IP addresses, you must explicitly grant those user-level permissions. You can grant user-level permissions on either an AWS Identity and Access Management (IAM) policy or another statement in the bucket policy.

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

QUESTION NO: 124

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

A.

Think parallel

B.

Implement elasticity

C.

Decouple your components

D.

Design for failure

Answer: B

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

QUESTION NO: 125

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

What would be one financial difference after the move?

A.

Moving from variable operational expense (opex) to upfront capital expense (capex).

B.

Moving from upfront capital expense (capex) to variable capital expense (capex).

C.

Moving from upfront capital expense (capex) to variable operational expense (opex).

D.

Elimination of upfront capital expense (capex) and elimination of variable operational expense (opex).

Answer: C

Explanation:

QUESTION NO: 126

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

A.
Amazon Aurora Backtrack

B.
Amazon CloudWatch Billing Alarms

C.
AWS Simple Monthly Calculator

D.
AWS Cost and Usage report

Answer: C
Explanation:

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

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

QUESTION NO: 127

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

A.
Enterprise

B.
Business

C.
Developer

D.
Basic

Answer: B
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 128

Which of the following tasks is the responsibility of AWS?

A.
Encrypting client-side data

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

C.
Securing the Amazon EC2 hypervisor

D.
Setting user password policies

Answer: C
Explanation:

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

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

QUESTION NO: 129

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

A.
the ability to bid for a lower hourly cost.

B.
paying a daily rate regardless of time used.

C.
paying only for time used.

D.

pre-paying for instances and paying a lower hourly rate.

Answer: C

Explanation:

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

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

QUESTION NO: 130

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

Where can the administrator find assistance?

A.

AWS Well-Architected Framework documentation

B.

Amazon CloudFront

C.

AWS CodeCommit

D.

AWS Quick Start reference deployments

Answer: D

Explanation:

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

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

QUESTION NO: 131

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

A.
Amazon EMR

B.
Elastic Load Balancing

C.
AWS Lambda

D.
AWS Mobile Hub

Answer: C
Explanation:

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

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

QUESTION NO: 132

Which services are parts of the AWS serverless platform?

A.
Amazon EC2, Amazon S3, Amazon Athena

B.
Amazon Kinesis, Amazon SQS, Amazon EMR

C.

AWS Step Functions, Amazon DynamoDB, Amazon SNS

D.
Amazon Athena, Amazon Cognito, Amazon EC2

Answer: C
Explanation:

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

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

QUESTION NO: 133

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

A.
Application security

B.
Edge location management

C.
Patch management

D.
Client-side data

Answer: B
Explanation:

Client-side data, application security is the sole responsibility of the customer. Patch management is a shared responsibility. That leaves us with edge location management and since this out of the control of the customer, AWS is the one responsible for it.

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

QUESTION NO: 134

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

A.
Multi-factor authentication

B.
Groups

C.
Password policies

D.
Access keys

Answer: B
Explanation:

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

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

QUESTION NO: 135

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

A.
Unlimited uptime

B.
Elasticity

C.
Agility

D.

Colocation

E.
Capital expenses

Answer: B,C
Explanation:

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

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

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

QUESTION NO: 136

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

A.
Amazon Connect

B.
AWS Directory Service

C.
Amazon Pinpoint

D.
Amazon Rekognition

Answer: B
Explanation:

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

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

QUESTION NO: 137

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

A.
AWS Direct Connects

B.
Amazon VPCs

C.
Edge locations

D.
Availability Zones

Answer: D
Explanation:

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

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

QUESTION NO: 138

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

A.

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

B.

AWS is responsible for the maintenance of common compliance framework documentation.

C.

It assures customers that AWS is maintaining physical security and data protection.

D.

It ensures the use of compliance frameworks that are being used by other cloud providers.

E.

It will adopt new compliance frameworks as they become relevant to customer workloads.

Answer: B,C
Reference:
https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf

QUESTION NO: 139

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

A.
AWS IAM

B.
AWS Artifact

C.
Amazon GuardDuty

D.
AWS KMS

Answer: B
Explanation:

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

effectiveness of AWS security controls. Agreements available in AWS Artifact include the Business Associate Addendum (BAA) and the Nondisclosure Agreement (NDA).

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

QUESTION NO: 140

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

A.
Security management of data center

B.
Patch management

C.
Configuration management

D.
User and access management

Answer: A
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 141

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

A.
Software development

B.
Project management

C.
Storage hardware

D.

Physical servers

E.

Antivirus software license

Answer: C,D

Explanation:

QUESTION NO: 142

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

A.

Maintaining the underlying Amazon EC2 hardware.

B.

Managing the VPC network access control lists.

C.

Encrypting data in transit and at rest.

D.

Replacing failed hard disk drives.

E.

Deploying hardware in different Availability Zones.

Answer: B,C

Explanation:

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

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

QUESTION NO: 143

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

A.

Scaling the number of Amazon EC2 instances based on traffic.

B.

Resizing Amazon RDS instances as business needs change.

C.

Automatically directing traffic to less-utilized Amazon EC2 instances.

D.

Using AWS compliance documents to accelerate the compliance process.

E.

Having the ability to create and govern environments using code.

Answer: A,B
Reference: https://wa.aws.amazon.com/wat.concept.elasticity.en.html

QUESTION NO: 144

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

A.

When there is flexibility in when an application needs to run.

B.

When there are mission-critical workloads.

C.

When dedicated capacity is needed.

D.

When an instance should not be stopped.

Answer: A
Explanation:

The key to understanding spot instances is to look at the way that cloud service providers such as

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

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

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

QUESTION NO: 145

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

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

A.
Amazon EC2 instance availability

B.
Power consumption of the data center

C.
Labor costs to replace old servers

D.
Application developer time

E.
Database engine capacity

Answer: B,C
Explanation:

QUESTION NO: 146

How does AWS charge for AWS Lambda?

A.
Users bid on the maximum price they are willing to pay per hour.

B.
Users choose a 1-, 3- or 5-year upfront payment term.

C.
Users pay for the required permanent storage on a file system or in a database.

D.
Users pay based on the number of requests and consumed compute resources.

Answer: D
Explanation:

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

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

QUESTION NO: 147

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

A.
Act as a virtual firewall for the Amazon EC2 instance.

B.
Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.

C.
Provide DDoS protection with AWS Shield.

D.
Use Amazon CloudFront to protect the Amazon EC2 instance.

Answer: A
Explanation:

AWS Security Groups act like a firewall for your Amazon EC2 instances controlling both inbound and outbound traffic. When you launch an instance on Amazon EC2, you need to assign it to a particular security group.

After that, you can set up ports and protocols, which remain open for users and computers over the internet.

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

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

QUESTION NO: 148

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

A.
Backup and restore

B.
Pilot light

C.
Warm standby

D.
Multi-site active-active

Answer: D
Explanation:

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

QUESTION NO: 149

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

A.
Cost Explorer

B.
AWS Total Cost of Ownership (TCO) Calculator

C.
AWS Simple Monthly Calculator

D.
AWS Trusted Advisor

Answer: B
Explanation:

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

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

QUESTION NO: 150

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

A.
AWS Cost Explorer between AWS accounts

B.
Linked accounts and consolidated billing

C.

Amazon Elastic Compute Cloud (Amazon EC2) Reserved Instance Utilization Report

D.

Amazon EC2 Instance Usage Report between AWS accounts

Answer: B

Explanation:

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

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

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

QUESTION NO: 151

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

Which AWS service will achieve this?

A.

AWS Cost and Usage Reports

B.

AWS Organizations

C.

AWS Cost Explorer

D.

AWS Budgets

Answer: B

Explanation:

You can use the consolidated billing feature in AWS Organizations to consolidate billing and payment for multiple AWS accounts or multiple Amazon Internet Services Pvt. Ltd (AISPL)

accounts. Every organization in AWS Organizations has a master (payer) account that pays the charges of all the member (linked) accounts.

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

QUESTION NO: 152

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

Which of the following services will help fulfill this requirement?

A.
Amazon CloudFront

B.
AWS Direct Connect

C.
Amazon Route 53 global DNS

D.
Amazon Simple Storage Service (Amazon S3) transfer acceleration

Answer: A
Explanation:

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

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

QUESTION NO: 153

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

A.
On-premises

B.
Hybrid

C.
Cloud

D.
Platform as a service

Answer: C
Explanation:

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

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

QUESTION NO: 154

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

A.
AWS provides a Configuration Management Database that users can maintain.

B.
AWS performs infrastructure discovery scans on the customer's behalf.

C.
Amazon EC2 automatically generates an asset report and places it in the customer's specified Amazon S3 bucket.

D.
Users can gather asset metadata reliably with a few API calls.

Answer: B

Explanation:

AWS assets are centrally managed through an inventory management system that stores and tracks owner, location, status, maintenance, and descriptive information for AWS-owned assets. Following procurement, assets are scanned and tracked, and assets undergoing maintenance are checked and monitored for ownership, status, and resolution.

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

QUESTION NO: 155

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

A.
Snapshots

B.
Automatic patching and updating

C.
Cross-Region read replicas

D.
Provisioned IOPS

Answer: C
Reference: https://aws.amazon.com/blogs/aws/cross-region-read-replicas-for-amazon-rds-for-mysql/

QUESTION NO: 156

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

A.
restricted access.

B.

as-needed access.

C.

least privilege access.

D.

token access.

Answer: C

Explanation:

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

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

QUESTION NO: 157

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

A.

Enable multi-factor authentication for the AWS account root user.

B.

Create separate accounts for each department.

C.

Use Reserved Instances whenever possible.

D.

Use tags to associate each instance with a particular department.

E.

Pay bills using purchase orders.

Answer: B,D

Explanation:

QUESTION NO: 158

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

A.

Securing the hardware, software, facilities, and networks that run all products and services.

B.

Providing certificates, reports, and other documentation directly to AWS customers under NDA.

C.

Configuring the operating system, network, and firewall.

D.

Obtaining industry certifications and independent third-party attestations.

Answer: C

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

QUESTION NO: 159

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

A.

AWS X-Ray

B.

AWS Trusted Advisor

C.

Amazon CloudWatch

D.

AWS Systems Manager

Answer: B

Explanation:

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

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

QUESTION NO: 160

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

A.
Resource groups

B.
Lifecycle policies

C.
Application Load Balancer

D.
Amazon EC2 Auto Scaling

Answer: D
Explanation:

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

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

QUESTION NO: 161

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

A.
Virtualization Management

B.

Hardware management

C.
Encryption management

D.
Facilities management

E.
Firewall management

Answer: C,E
Explanation:

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

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

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

QUESTION NO: 162

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

A.
AWS Direct Connect

B.
AWS Snowball

C.
AWS Storage Gateway

D.
AWS Snowball Edge

Answer: C

Explanation:

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

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

QUESTION NO: 163

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

A.
Updating the network ACLs to block traffic to vulnerable ports.

B.
Patching operating systems running on Amazon EC2 instances.

C.
Updating the firmware on the underlying EC2 hosts.

D.
Updating the security group rules to block traffic to the vulnerable ports.

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

QUESTION NO: 164

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

A.

Implement loose coupling.

B.

Design for failure.

C.

Automate everything that can be automated.

D.

Use services, not servers.

Answer: B

Explanation:

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

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

QUESTION NO: 165

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

A.

It is granting permissions to a single user only.

B.

It is granting permissions using AWS IAM policies only.

C.

It is granting AdministratorAccess policy permissions to trustworthy users.

D.
It is granting only the permissions required to perform a given task.

Answer: D
Explanation:

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

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

QUESTION NO: 166

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

A.
It facilitates low-latency request handling.

B.
It allows applications to have dependent workflows.

C.
It prevents cascading failures between different components.

D.
It allows companies to focus on their physical data center operations.

Answer: C
Explanation:

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

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

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

QUESTION NO: 167

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

Which service will facilitate private hybrid connectivity?

A.
Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway

B.
AWS Direct Connect

C.
Amazon Simple Storage Service (Amazon S3) Transfer Acceleration

D.
AWS Web Application Firewall (AWS WAF)

Answer: B
Explanation:

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

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

QUESTION NO: 168

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

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

A.

Implementing elasticity, enabling the application to scale up or scale down as demand changes.

B.

Enabling several EC2 instances to run in parallel to achieve better performance.

C.

Focusing on decoupling components by isolating them and ensuring individual components can function when other components fail.

D.

Doubling EC2 computing resources to increase system fault tolerance.

Answer: C
Explanation:

QUESTION NO: 169

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

A.
Configure AWS Certificate Manager

B.
Enable Multi-Factor Authentication (MFA)

C.
Use Amazon Cognito to manage access

D.
Configure a strong password policy

E.
Enable AWS Organizations

Answer: B,C
Explanation:

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

Cognito can be used as an Identity Provider (IdP), where it stores and maintains users and

credentials securely for your applications, or it can be integrated with OpenID Connect, SAML, and other popular web identity providers like Amazon.com.

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

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

QUESTION NO: 170

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

A.
AWS Service Catalog

B.
AWS Config

C.
AWS Trusted Advisor

D.
AWS Organizations

Answer: D
Explanation:

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

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

QUESTION NO: 171

Which AWS service can a customer use to set up an alert notification when the account is

approaching a particular dollar amount?

A.

AWS Cost and Usage reports

B.

AWS Budgets

C.

AWS Cost Explorer

D.

AWS Trusted Advisor

Answer: B

Reference:

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_
with_cloudwatch.html

QUESTION NO: 172

What can users access from AWS Artifact?

A.

AWS security and compliance documents

B.

A download of configuration management details for all AWS resources

C.

Training materials for AWS services

D.

A security assessment of the applications deployed in the AWS Cloud

Answer: A
Explanation:

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

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

QUESTION NO: 173

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

A.
Enterprise

B.
Business

C.
Developer

D.
Basic

Answer: A
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 174

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

A.
Deployment to a single Availability Zone

B.
Ability to recover from failure

C.
Design for cost optimization

D.
Perform operations as code

Answer: B

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

QUESTION NO: 175

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

A.
Amazon EBS

B.
Amazon EC2 instance store

C.
Amazon EFS

D.
Amazon S3

Answer: B
Explanation:

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

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

QUESTION NO: 176

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

A.
Users do not have to guess about future capacity needs.

B.

Users can utilize existing hardware contracts for purchases.

C.

Users can fix costs no matter what their traffic is.

D.

Users can avoid audits by using reports from AWS.

Answer: A

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

QUESTION NO: 177

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

A.

Amazon SWF

B.

Amazon EC2

C.

AWS Lambda

D.

Amazon Aurora

Answer: B
Explanation:

QUESTION NO: 178

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

A.

Store data and backups in the same region.

B.

Design tightly coupled system components.

C.
Avoid multi-threading.

D.
Design for failure.

Answer: D
Explanation:

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

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

QUESTION NO: 179

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

A.
AWS Software Development Kit

B.
AWS Management Console

C.
AWS CodePipeline

D.
AWS Config

Answer: A
Reference: https://aws.amazon.com/tools/

QUESTION NO: 180

Which Amazon EC2 pricing model is the MOST cost efficient for an uninterruptible workload that

runs once a year for 24 hours?

A.
On-Demand Instances

B.
Reserved Instances

C.
Spot Instances

D.
Dedicated Instances

Answer: A
Explanation:

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

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

QUESTION NO: 181

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

A.
Amazon Elastic Compute Cloud (Amazon EC2)

B.
Amazon Relational Database Service (Amazon RDS) for MySQL

C.
Amazon Lightsail

D.
Amazon Aurora

Answer: D

Explanation:

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

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

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

QUESTION NO: 182

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

A.
Amazon VPC endpoints

B.
Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink

C.
Amazon VPC peering

D.
AWS Direct Connect

Answer: C
Explanation:

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

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

QUESTION NO: 183

Which service's PRIMARY purpose is software version control?

A.
Amazon CodeStar

B.
AWS Command Line Interface (AWS CLI)

C.
Amazon Cognito

D.
AWS CodeCommit

Answer: D
Explanation:

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately store and manage assets (such as documents, source code, and binary files) in the cloud.

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

QUESTION NO: 184

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

Which tool can be used to perform this comparison?

A.
AWS Simple Monthly Calculator

B.
AWS Total Cost of Ownership (TCO) Calculator

C.

AWS Billing and Cost Management console

D.
Cost Explorer

Answer: B
Explanation:

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

Reference: https://awstcocalculator.com

QUESTION NO: 185

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

A.
AWS Batch

B.
AWS Snowball

C.
AWS Migration Hub

D.
AWS Snowmobile

Answer: D
Explanation:

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

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

QUESTION NO: 186

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

A.
Fixed-term

B.
Pay-as-you-go

C.
Colocation

D.
Planned

E.
Variable cost

Answer: B,E
Reference: https://d0.awsstatic.com/whitepapers/aws_pricing_overview.pdf

QUESTION NO: 187

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

A.
Public load balancers with AWS Application Auto Scaling capabilities

B.
F5 Big-IP and Citrix NetScaler load balancers

C.
Classic Load Balancers

D.

Cross-zone load balancers with public and private IPs

E.
Application Load Balancers

Answer: C,E
Explanation:

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

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

QUESTION NO: 188

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

A.
AWS provides users with full control over the underlying resources.

B.
AWS does not require long-term contracts and provides a pay-as-you-go model.

C.
AWS offers edge locations in every country, supporting global reach.

D.
AWS has no limits on the number of resources that can be created.

Answer: B
Explanation:

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

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

QUESTION NO: 189

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

A.
AWS CloudTrail across multiple Availability Zones

B.
Amazon CloudFront to edge locations

C.
AWS CloudFormation in multiple regions

D.
A virtual private gateway over AWS Direct Connect

Answer: B
Explanation:

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

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

QUESTION NO: 190

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

A.
AWS Config

B.

AWS Certificate Manager

C.
Amazon Inspector

D.
AWS Artifact

Answer: D
Explanation:

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

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

QUESTION NO: 191

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

A.
Amazon Route 53

B.
AWS X-Ray

C.
AWS Snowmobile

D.
Amazon Elastic Compute Cloud (Amazon EC2)

Answer: D
Reference: https://severalnines.com/news/aws-users-prefer-self-managed-databases

QUESTION NO: 192

What exclusive benefit is provided to users with Enterprise Support?

A.
Access to a Technical Project Manager

B.
Access to a Technical Account Manager

C.
Access to a Cloud Support Engineer

D.
Access to a Solutions Architect

Answer: B
Reference: https://aws.amazon.com/premiumsupport/plans/enterprise/

QUESTION NO: 193

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

A.
Deploy applications across multiple Availability Zones within an AWS Region.

B.
Use a hybrid cloud computing deployment model within the geographic area.

C.
Deploy applications across multiple AWS Regions.

D.
Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions.

Answer: C
Explanation:

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

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

QUESTION NO: 194

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

A.
It provides on-demand resources for peak usage.

B.
It automates the provisioning of individual developer environments.

C.
It automates customer relationship management.

D.
It implements a fixed monthly computing budget.

Answer: A
Explanation:

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

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

QUESTION NO: 195

A startup is working on a new application that needs to go to market quickly. The application

requirements may need to be adjusted in the near future.

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

A.
Elasticity

B.
Reliability

C.
Performance

D.
Agility

Answer: D
Explanation:

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

Reference: http://www.agilenutshell.com

QUESTION NO: 196

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

A.
Business and Developer Support

B.
Business and Basic Support

C.
Enterprise and Developer Support

D.
Enterprise and Business Support

Answer: D

Explanation:

QUESTION NO: 197

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

A.
AWS WAF

B.
Amazon DynamoDB

C.
Amazon EC2

D.
Amazon CloudFront

E.
Amazon Inspector

Answer: A,D
Reference: https://aws.amazon.com/shield/

QUESTION NO: 198

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

A.
Compute costs

B.
Facilities costs

C.
Storage costs

D.
Data transfer costs

E.
Network infrastructure costs

F.
Hardware lifecycle costs

Answer: A,C,E
Explanation:

QUESTION NO: 199

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

A.
Amazon Rekognition provides automatic watermarking of images.

B.
Amazon Rekognition provides automatic detection of objects appearing in pictures.

C.
Amazon Rekognition provides the ability to resize millions of images automatically.

D.
Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid on object detection jobs.

Answer: B
Explanation:

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

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

QUESTION NO: 200

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

A.
Data center security

B.
Business analysis

C.
Project management

D.
Operating system administration

Answer: A
Explanation:

QUESTION NO: 201

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

A.
Configuring Amazon VPC

B.
Managing application code

C.
Maintaining application traffic

D.
Managing the network infrastructure

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

QUESTION NO: 202

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

A.
AWS TCO Calculator

B.
AWS Simple Monthly Calculator

C.
AWS Cost Explorer API

D.
AWS Budgets

Answer: B
Explanation:

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

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

QUESTION NO: 203

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

A.
AWS Organizations

B.
AWS Trusted Advisor

C.
AWS Usage Report

D.
Amazon EC2 dashboard

Answer: B

Explanation:

QUESTION NO: 204

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

A.
AWS Config

B.
Amazon CloudWatch

C.
AWS X-Ray

D.
AWS CloudTrail

Answer: B

Explanation:

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

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

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

QUESTION NO: 205

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

A.

Partial Upfront Reserved Instances for a 1-year term

B.

All Upfront Reserved Instances for a 1-year term

C.

All Upfront Reserved Instances for a 3-year term

D.

No Upfront Reserved Instances for a 3-year term

Answer: C

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

QUESTION NO: 206

Which of the following is the responsibility of AWS?

A.

Setting up AWS Identity and Access Management (IAM) users and groups

B.

Physically destroying storage media at end of life

C.

Patching guest operating systems

D.

Configuring security settings on Amazon EC2 instances

Answer: B
Explanation:

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

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

QUESTION NO: 207

Which of the following is an advantage of using AWS?

A.
AWS audits user data.

B.
Data is automatically secure.

C.
There is no guessing on capacity needs.

D.
AWS manages compliance needs.

Answer: C
Explanation:

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

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

QUESTION NO: 208

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

A.
AWS Lambda

B.
Amazon DynamoDB Accelerator

C.
Amazon Route 53

D.

Amazon CloudFront

Answer: D

Explanation:

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

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

QUESTION NO: 209

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

A.
AWS Elastic Beanstalk

B.
AWS CodeCommit

C.
AWS Data Pipeline

D.
AWS CloudFormation

E.
AWS Config

Answer: A,D
Reference:
https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/deploying.applications.html

QUESTION NO: 210

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

Which tool is suitable for this scenario?

A.
AWS Budgets

B.
Cost Explorer

C.
AWS Total Cost of Ownership (TCO) Calculator

D.
AWS Well-Architected Tool

Answer: C
Explanation:

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

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

QUESTION NO: 211

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

A.
Design for automated failure recovery

B.
Use multiple Availability Zones

C.
Manage changes via documented processes

D.
Test for moderate demand to ensure reliability

E.
Backup recovery to an on-premises environment

Answer: A,B
Reference: https://aws.amazon.com/blogs/apn/the-5-pillars-of-the-aws-well-architected-framework/

QUESTION NO: 212

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

A.
Rotate passwords and access keys.

B.
Remove MFA tokens.

C.
Move resources to a different AWS Region.

D.
Delete AWS CloudTrail Resources.

E.
Contact AWS Support.

Answer: A,E
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/potential-account-compromise/

QUESTION NO: 213

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

A.
Consulting AWS technical support at any time day or night

B.
Ensuring an application remains accessible, even if a resource fails

C.

Making any AWS service available for use by paying on demand

D.

Deploying in any part of the world using AWS Regions

Answer: B

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

QUESTION NO: 214

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

A.

Amazon Inspector

B.

AWS Web Application Firewall (AWS WAF)

C.

Elastic Load Balancing (ELB)

D.

AWS Shield

Answer: D
Explanation:

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

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

QUESTION NO: 215

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

Which AWS service should the company use?

A.
AWS CloudTrail

B.
Amazon CloudWatch

C.
AWS Cost and Usage report

D.
Amazon Simple Notification Service (Amazon SNS)

Answer: B
Explanation:

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

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

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

QUESTION NO: 216

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

A.
A user associated with an AWS resource

B.
A group associated with an AWS resource

C.
An entity that defines a set of permissions for use with an AWS resource

D.
An authentication credential associated with a multi-factor authentication (MFA) token

Answer: C

Explanation:

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

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

QUESTION NO: 217

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

A.
They provide a discount over on-demand pricing.

B.
They provide access to additional instance types.

C.
They provide additional networking capability.

D.
Customers can upgrade instances as new types become available.

E.
Customers can reserve capacity in an Availability Zone.

Answer: A,E
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/ec2-ri-basics/

QUESTION NO: 218

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

A.
They automatically add more instances across multiple AWS Regions based on global demand of

the application.

B.

They automatically add or replace instances across multiple Availability Zones when the application needs it.

C.

They enable the application's static content to reside closer to end users.

D.

They are able to distribute incoming requests across a tier of web server instances.

Answer: B

Explanation:

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

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

QUESTION NO: 219

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

A.

By using Amazon EC2 Dedicated Instances

B.

By using AWS Organizations consolidated billing

C.

By using the AWS Cost Explorer tool

D.

By using AWS Budgets

Answer: B

Explanation:

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

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

QUESTION NO: 220

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

For how much time will the customer be billed?

A.
3 hours, 5 minutes

B.
3 hours, 5 minutes, and 6 seconds

C.
3 hours, 6 minutes

D.
4 hours

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

QUESTION NO: 221

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

A.
AWS Lambda

B.
Amazon Elastic Container Service (Amazon ECS)

C.
AWS CodeDeploy

D.
Amazon Glacier

E.
AWS Organizations

Answer: A,B
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html

QUESTION NO: 222

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

A.
Amazon GameLift

B.
AWS CloudFormation

C.
AWS Data Pipeline

D.
AWS Glue

Answer: B
Explanation:

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

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

QUESTION NO: 223

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

A.
Amazon EBS

B.
AWS Direct Connect

C.
Amazon CloudFront

D.
AWS Storage Gateway

E.
Amazon Connect

Answer: B,D
Reference: https://aws.amazon.com/hybrid/

QUESTION NO: 224

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

A.
AWS CloudHSM

B.
AWS Direct Connect

C.
AWS VPN

D.
Amazon Connect

Answer: B
Explanation:

AWS Direct Connect lets you establish a dedicated network connection between your network and

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

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

QUESTION NO: 225

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

A.
Amazon CloudFront

B.
AWS Shield

C.
Amazon EC2

D.
Amazon RDS

E.
Amazon ElastiCache

Answer: A,B
Reference: https://www.edureka.co/community/600/what-is-an-edge-location-in-aws

QUESTION NO: 226

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

A.

Amazon VPC

B.
AWS Direct Connect

C.
AWS Directory Service

D.
Amazon API Gateway

Answer: B
Explanation:

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

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

QUESTION NO: 227

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

A.
AWS Cost Explorer

B.
AWS Budgets

C.
AWS Cost and Usage report

D.
AWS Total Cost of Ownership (TCO) Calculator

Answer: D
Reference: https://aws.amazon.com/tco-calculator/

QUESTION NO: 228

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

A.
Users pay for software by the hour or month depending on licensing.

B.
AWS Marketplace enables the user to launch applications with 1-Click.

C.
AWS Marketplace data encryption is managed by a third-party vendor.

D.
AWS Marketplace eliminates the need to upgrade to newer software versions.

E.
Users can deploy third-party software without testing.

Answer: A,B
Reference: https://aws.amazon.com/partners/aws-marketplace/

QUESTION NO: 229

Which of the following is a cloud architectural design principle?

A.
Scale up, not out.

B.
Loosely couple components.

C.
Build monolithic systems.

D.
Use commercial database software.

Answer: B

Explanation:

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

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

QUESTION NO: 230

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

A.
Firmware upgrades of network infrastructure

B.
Patching of operating systems

C.
Patching of the underlying hypervisor

D.
Physical security of data centers

E.
Configuration of the security group

Answer: B,E
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 231

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

A.
AWS Trusted Advisor

B.

Amazon GuardDuty

C.

Amazon Inspector

D.

AWS Config

Answer: D

Explanation:

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

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

QUESTION NO: 232

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

A.

AWS CloudTrail

B.

AWS Trusted Advisor

C.

Amazon CloudWatch

D.

Amazon Inspector

Answer: B

Explanation:

QUESTION NO: 233

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

A.
It is solely the responsibility of the customer.

B.
It is solely the responsibility of AWS.

C.
It is shared between AWS and the customer.

D.
It is not part of the AWS shared responsibility model.

Answer: C
Explanation:

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

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

QUESTION NO: 234

Which AWS service is a content delivery network that securely delivers data, video, and applications to users globally with low latency and high speeds?

A.
AWS CloudFormation

B.
AWS Direct Connect

C.
Amazon CloudFront

D.

Amazon Pinpoint

Answer: C
Explanation:

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

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

QUESTION NO: 235

Which benefit of the AWS Cloud supports matching the supply of resources with changing workload demands?

A.
Security

B.
Reliability

C.
Elasticity

D.
High availability

Answer: C
Reference: https://wa.aws.amazon.com/wat.map.en.html

QUESTION NO: 236

A user is running an application on AWS and notices that one or more AWS-owned IP addresses is involved in a distributed denial-of-service (DDoS) attack.

Who should the user contact FIRST about this situation?

A.

AWS Premium Support

B.

AWS Technical Account Manager

C.

AWS Solutions Architect

D.

AWS Abuse team

Answer: D

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

QUESTION NO: 237

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

A.

There are no upfront commitments.

B.

AWS manages all security in the cloud.

C.

Users have the ability to provision resources on demand.

D.

Users have access to free and unlimited storage.

E.

Users have control over the physical infrastructure.

Answer: A,C

Explanation:

QUESTION NO: 238

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

A.

log in to the AWS Management Console.

B.

make programmatic calls to AWS from AWS APIs.

C.

log in to Amazon EC2 instances.

D.

authenticate to AWS CodeCommit repositories.

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

QUESTION NO: 239

What is AWS Trusted Advisor?

A.

It is an AWS staff member who provides recommendations and best practices on how to use AWS.

B.

It is a network of AWS partners who provide recommendations and best practices on how to use AWS.

C.

It is an online tool with a set of automated checks that provides recommendations on cost optimization, performance, and security.

D.

It is another name for AWS Technical Account Managers who provide recommendations on cost optimization, performance, and security.

Answer: C
Explanation:

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices.

Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

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

QUESTION NO: 240

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

A.
AWS Budgets

B.
AWS Cost Explorer

C.
AWS Organizations

D.
Consolidated billing

Answer: B
Explanation:

AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.

Reference: https://aws.amazon.com/aws-cost-management/aws-cost-explorer/

QUESTION NO: 241

Which AWS service offers on-demand access to AWS security and compliance reports?

A.
AWS CloudTrail

B.
AWS Artifact

C.
AWS Health

D.
Amazon CloudWatch

Answer: B
Explanation:

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

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

QUESTION NO: 242

What are the benefits of using the AWS Cloud for companies with customers in many countries around the world? (Choose two.)

A.
Companies can deploy applications in multiple AWS Regions to reduce latency.

B.
Amazon Translate automatically translates third-party website interfaces into multiple languages.

C.
Amazon CloudFront has multiple edge locations around the world to reduce latency.

D.
Amazon Comprehend allows users to build applications that can respond to user requests in many languages.

E.

Elastic Load Balancing can distribute application web traffic to multiple AWS Regions around the world, which reduces latency.

Answer: A,C

Reference: https://aws.amazon.com/comprehend/features/

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

QUESTION NO: 243

Which AWS service handles the deployment details of capacity provisioning, load balancing, Auto Scaling, and application health monitoring?

A.
AWS Config

B.
AWS Elastic Beanstalk

C.
Amazon Route 53

D.
Amazon CloudFront

Answer: B
Explanation:

Upload your code and Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.

Reference: https://aws.amazon.com/elasticbeanstalk/

QUESTION NO: 244

Which AWS service provides inbound and outbound network ACLs to harden external connectivity

to Amazon EC2?

A.
AWS IAM

B.
Amazon Connect

C.
Amazon VPC

D.
Amazon API Gateway

Answer: C
Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html

QUESTION NO: 245

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

A.
Coupling

B.
Availability

C.
Security

D.
Durability

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

QUESTION NO: 246

The pay-as-you-go pricing model for AWS services:

A.

reduces capital expenditures.

B.

requires payment up front for AWS services.

C.

is relevant only for Amazon EC2, Amazon S3, and Amazon RDS.

D.

reduces operational expenditures.

Answer: A

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

QUESTION NO: 247

Under the AWS shared responsibility model, AWS is responsible for which security-related task?

A.

Lifecycle management of IAM credentials

B.

Physical security of global infrastructure

C.

Encryption of Amazon EBS volumes

D.

Firewall configuration

Answer: B

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

QUESTION NO: 248

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

A.
Amazon QuickSight

B.
AWS Organizations

C.
AWS Budgets

D.
Amazon Forecast

Answer: B

Explanation:

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

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

QUESTION NO: 249

Under the AWS shared responsibility model, which of the following is an example of security in the AWS Cloud?

A.
Managing edge locations

B.
Physical security

C.
Firewall configuration

D.

Global infrastructure

Answer: B
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 250

How can an AWS user with an AWS Basic Support plan obtain technical assistance from AWS?

A.
AWS Senior Support Engineers

B.
AWS Technical Account Managers

C.
AWS Trusted Advisor

D.
AWS Discussion Forums

Answer: D
Reference: https://aws.amazon.com/premiumsupport/faqs/

QUESTION NO: 251

Which of the following are pillars of the AWS Well-Architected Framework? (Choose two.)

A.
Multiple Availability Zones

B.
Performance efficiency

C.
Security

D.

Encryption usage

E.
High availability

Answer: B,C
Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf (5)

QUESTION NO: 252

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

A.
No upfront payment

B.
Hourly on-demand payment

C.
Partial upfront payment

D.
All upfront payment

Answer: D
Reference: https://aws.amazon.com/ec2/pricing/reserved-instances/pricing/

QUESTION NO: 253

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

A.
There is a lower risk of service failure if a natural disaster causes a service disruption in a given AWS Region.

B.

The application will have higher availability because it can withstand a service disruption in one Availability Zone.

C.

There will be better coverage as Availability Zones are geographically distant and can serve a wider area.

D.

There will be decreased application latency that will improve the user experience.

Answer: B

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

QUESTION NO: 254

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS.

What is the MOST appropriate response?

A.

Inform the user that AWS pricing allows for on-demand pricing.

B.

Direct the user to the AWS Simple Monthly Calculator for an estimate.

C.

Use Amazon QuickSight to analyze current spending on-premises.

D.

Use Amazon AppStream 2.0 for real-time pricing analytics.

Answer: B

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

QUESTION NO: 255

A company wants to migrate its applications to a VPC on AWS. These applications will need to access on-premises resources.

What combination of actions will enable the company to accomplish this goal? (Choose two.)

A.

Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.

B.

Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.

C.

Use Amazon Athena to query data from the on-premises database servers.

D.

Connect the company's on-premises data center to AWS using AWS Direct Connect.

E.

Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

Answer: B,D
Reference: https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/

QUESTION NO: 256

A web application running on AWS has been spammed with malicious requests from a recurring set of IP addresses.

Which AWS service can help secure the application and block the malicious traffic?

A.
AWS IAM

B.
Amazon GuardDuty

C.
Amazon Simple Notification Service (Amazon SNS)

D.

AWS WAF

Answer: D
Explanation:

AWS WAF is a web application firewall that helps protect web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to define customizable web security rules that control which traffic accesses your web applications. If you use AWS Shield Advanced, you can use AWS WAF at no extra cost for those protected resources and can engage the DRT to create WAF rules.

Reference: https://aws.amazon.com/answers/networking/aws-ddos-attack-mitigation/

QUESTION NO: 257

Treating infrastructure as code in the AWS Cloud allows users to:

A.
automate migration of on-premises hardware to AWS data centers.

B.
let a third party automate an audit of the AWS infrastructure.

C.
turn over application code to AWS so it can run on the AWS infrastructure.

D.
automate the infrastructure provisioning process.

Answer: D
Reference: https://asperbrothers.com/blog/infrastructure-as-code-aws/

QUESTION NO: 258

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud.

Which AWS service should be used?

A.
AWS VPN

B.
AWS Direct Connect

C.
Amazon API Gateway

D.
Amazon Connect

Answer: B
Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

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

QUESTION NO: 259

Which AWS service can be used to query stored datasets directly from Amazon S3 using standard SQL?

A.
AWS Glue

B.
AWS Data Pipeline

C.
Amazon CloudSearch

D.
Amazon Athena

Answer: D

Explanation:

Amazon Athena is defined as "an interactive query service that makes it easy to analyse data directly in Amazon Simple Storage Service (Amazon S3) using standard SQL." So, it's another SQL query engine for large data sets stored in S3. This is very similar to other SQL query engines, such as Apache Drill. But unlike Apache Drill, Athena is limited to data only from Amazon's own S3 storage service. However, Athena is able to query a variety of file formats, including, but not limited to CSV, Parquet, JSON, etc.

QUESTION NO: 260

AWS CloudFormation is designed to help the user:

A.
model and provision resources.

B.
update application code.

C.
set up data lakes.

D.
create reports for billing.

Answer: A
Explanation:

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

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

QUESTION NO: 261

Which of the following is an AWS database service?

A.

Amazon Redshift

B.

Amazon Elastic Block Store (Amazon EBS)

C.

Amazon S3 Glacier

D.

AWS Snowball

Answer: A

Reference: https://www.sisense.com/glossary/redshift-database/

QUESTION NO: 262

A Cloud Practitioner must determine if any security groups in an AWS account have been provisioned to allow unrestricted access for specific ports.

What is the SIMPLEST way to do this?

A.

Review the inbound rules for each security group in the Amazon EC2 management console to check for port 0.0.0.0/0.

B.

Run AWS Trusted Advisor and review the findings.

C.

Open the AWS IAM console and check the inbound rule filters for open access.

D.

In AWS Config, create a custom rule that invokes an AWS Lambda function to review rules for inbound access.

Answer: B

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

QUESTION NO: 263

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

A.
AWS automatically distributes the data globally for higher durability.

B.
AWS will take care of operating the application.

C.
AWS makes it easy to architect for high availability.

D.
AWS can easily accommodate application demand changes.

E.
AWS takes care application security patching.

Answer: C,D
Explanation:

QUESTION NO: 264

A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances.

Which AWS service will provide this assessment report?

A.
EC2 security groups

B.
AWS Config

C.
Amazon Macie

D.
Amazon Inspector

Answer: D
Explanation:

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon Inspector automatically assesses applications for exposure, vulnerabilities, and deviations from best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings prioritized by level of severity. These findings can be reviewed directly or as part of detailed assessment reports which are available via the Amazon Inspector console or API.

Reference: https://aws.amazon.com/inspector/

QUESTION NO: 265

How can a company isolate the costs of production and non-production workloads on AWS?

A.
Create Identity and Access Management (IAM) roles for production and non-production workloads.

B.
Use different accounts for production and non-production expenses.

C.
Use Amazon EC2 for non-production workloads and other services for production workloads.

D.
Use Amazon CloudWatch to monitor the use of services.

Answer: B
Reference: https://aws.amazon.com/answers/account-management/aws-multi-account-billing-strategy/

QUESTION NO: 266

Where can users find a catalog of AWS-recognized providers of third-party security solutions?

A.
AWS Service Catalog

B.
AWS Marketplace

C.
AWS Quick Start

D.
AWS CodeDeploy

Answer: A
Explanation:

AWS Service Catalog Delivery Partners are APN Consulting Partners who help create catalogs of IT services that are approved by the customer's organization for use on AWS. With AWS Service Catalog, customers and partners can centrally manage commonly deployed IT services to help achieve consistent governance and meet compliance requirements while enabling users to self-provision approved services.

Reference: https://aws.amazon.com/servicecatalog/partners/

QUESTION NO: 267

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.

Which AWS service will meet this requirement at the LOWEST cost?

A.
Amazon S3

B.
AWS Snowball

C.
Amazon Redshift

D.
Amazon S3 Glacier

Answer: D
Explanation:

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term

retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers — particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors — that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

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

QUESTION NO: 268

What are the immediate benefits of using the AWS Cloud? (Choose two.)

A.
Increased IT staff.

B.
Capital expenses are replaced with variable expenses.

C.
User control of infrastructure.

D.
Increased agility.

E.
AWS holds responsibility for security in the cloud.

Answer: B,D
Explanation:

QUESTION NO: 269

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

A.
Amazon GuardDuty

B.
Amazon Macie

C.
Amazon Inspector

D.
AWS Shield

Answer: B
Explanation:

Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS. Macie recognizes sensitive data such as personally identifiable information (PII) or intellectual property. It provides you with dashboards and alerts that give visibility into how this data is being accessed or moved.

Reference: https://docs.aws.amazon.com/macie/latest/userguide/what-is-macie.html

QUESTION NO: 270

What is the purpose of AWS Storage Gateway?

A.
It ensures on-premises data storage is 99.999999999% durable.

B.
It transports petabytes of data to and from AWS.

C.
It connects to multiple Amazon EC2 instances.

D.
It connects on-premises data storage to the AWS Cloud.

Answer: D
Explanation:

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.

Reference: https://www.techradar.com/news/what-is-aws-storage-gateway

QUESTION NO: 271

What should users do if they want to install an application in geographically isolated locations?

A.
Install the application using multiple internet gateways.

B.
Deploy the application to an Amazon VPC.

C.
Deploy the application to multiple AWS Regions.

D.
Configure the application using multiple NAT gateways.

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

QUESTION NO: 272

A system in the AWS Cloud is designed to withstand the failure of one or more components.

What is this an example of?

A.
Elasticity

B.
High Availability

C.
Scalability

D.
Agility

Answer: B
Reference: https://wa.aws.amazon.com/wat.question.REL_7.en.html

QUESTION NO: 273

A Cloud Practitioner needs a consistent and dedicated connection between AWS resources and an on-premises system.

Which AWS service can fulfill this requirement?

A.
AWS Direct Connect

B.
AWS VPN

C.
Amazon Connect

D.
AWS Data Pipeline

Answer: A
Explanation:

You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

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

QUESTION NO: 274

Within the AWS shared responsibility model, who is responsible for security and compliance?

A.
The customer is responsible.

B.
AWS is responsible.

C.
AWS and the customer share responsibility.

D.
AWS shares responsibility with the relevant governing body.

Answer: C
Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

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

QUESTION NO: 275

To use the AWS CLI, users are required to generate:

A.
a password policy.

B.
an access/secret key.

C.
a managed policy.

D.
an API key.

Answer: B

Explanation:

QUESTION NO: 276

Which AWS service is used to provide encryption for Amazon EBS?

A.
AWS Certificate Manager

B.
AWS Systems Manager

C.
AWS KMS

D.
AWS Config

Answer: C
Reference: https://docs.aws.amazon.com/kms/latest/developerguide/services-ebs.html

QUESTION NO: 277

How does AWS charge for AWS Lambda usage once the free tier has been exceeded? (Choose two.)

A.
By the time it takes for the Lambda function to execute.

B.
By the number of versions of a specific Lambda function.

C.
By the number of requests made for a given Lambda function.

D.
By the programming language that is used for the Lambda function.

E.

By the total number of Lambda functions in an AWS account.

Answer: A,C

Explanation:

QUESTION NO: 278

Which of the following describes the relationships among AWS Regions, Availability Zones, and edge locations? (Choose two.)

A.

There are more AWS Regions than Availability Zones.

B.

There are more edge locations than AWS Regions.

C.

An edge location is an Availability Zone.

D.

There are more AWS Regions than edge locations.

E.

There are more Availability Zones than AWS Regions.

Answer: B,E

Explanation:

QUESTION NO: 279

What does AWS Shield Standard provide?

A.

WAF rules

B.

DDoS protection

C.

Identity and Access Management (IAM) permissions and access to resources

D.
Data encryption

Answer: B
Explanation:

AWS Shield Standard provides protection for all AWS customers from common, most frequently occurring network and transport layer DDoS attacks that target your web site or application at no additional charge.

Reference: https://aws.amazon.com/shield/pricing/

QUESTION NO: 280

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources.

What expense can be reduced using the AWS Cloud?

A.
The cost of writing custom-built Java or Node .js code

B.
Penetration testing for security

C.
hardware required to support new applications

D.
Writing specific test cases for third-party applications.

Answer: C
Reference: https://aws.amazon.com/pricing/cost-optimization/

QUESTION NO: 281

What does AWS Marketplace allow users to do? (Choose two.)

A.

Sell unused Amazon EC2 Spot Instances.

B.

Sell solutions to other AWS users.

C.

Buy third-party software that runs on AWS.

D.

Purchase AWS security and compliance documents.

E.

Order AWS Snowball.

Answer: B,C
Reference: https://aws.amazon.com/marketplace

QUESTION NO: 282

What does it mean if a user deploys a hybrid cloud architecture on AWS?

A.

All resources run using on-premises infrastructure.

B.

Some resources run on-premises and some run in a colocation center.

C.

All resources run in the AWS Cloud.

D.

Some resources run on-premises and some run in the AWS Cloud.

Answer: D
Reference: https://aws.amazon.com/hybrid/

QUESTION NO: 283

Which AWS service allows users to identify the changes made to a resource over time?

A.
Amazon Inspector

B.
AWS Config

C.
AWS Service Catalog

D.
AWS IAM

Answer: B
Reference: https://docs.aws.amazon.com/config/latest/developerguide/view-manage-resource.html

QUESTION NO: 284

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

A.
By minimizing large capital expenditures

B.
By having no responsibility for third-party license costs

C.
By having no operational expenditures

D.
By having AWS manage applications

Answer: A
Explanation:

AWS helps you reduce Total Cost of Ownership (TCO) by reducing the need to invest in large capital expenditures and providing a pay-as-you-go model that empowers you to invest in the capacity you need and use it only when the business requires it.

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

QUESTION NO: 285

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

A.
Ensuring network connectivity from AWS to the internet

B.
Patching and fixing flaws within the AWS Cloud infrastructure

C.
Ensuring the physical security of cloud data centers

D.
Ensuring Amazon EBS volumes are backed up

Answer: D
Reference: https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/

QUESTION NO: 286

What are the advantages of the AWS Cloud? (Choose two.)

A.
Fixed rate monthly cost

B.
No need to guess capacity requirements

C.
Increased speed to market

D.
Increased upfront capital expenditure

E.
Physical access to cloud data centers

Answer: B,C

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

QUESTION NO: 287

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

A.
The credit card processing fees for application transactions in the cloud.

B.
The cost of purchasing and installing server hardware in the on-premises data.

C.
The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.

D.
The costs of third-party penetration testing.

E.
The advertising costs associated with an ongoing enterprise-wide campaign.

Answer: B,C
Reference: https://aws.amazon.com/tco-calculator/

QUESTION NO: 288

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

A.
Service control policies (SCPs)

B.
Consolidated billing

C.
All Upfront Reserved Instances

D.
AWS Cost Explorer

Answer: B
Reference: https://aws.amazon.com/tco-calculator/

QUESTION NO: 289

What is one of the customer's responsibilities according to the AWS shared responsibility model?

A.
Virtualization infrastructure

B.
Network infrastructure

C.
Application security

D.
Physical security of hardware

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

QUESTION NO: 290

What helps a company provide a lower latency experience to its users globally?

A.
Using an AWS Region that is central to all users

B.
Using a second Availability Zone in the AWS Region that is using used

C.
Enabling caching in the AWS Region that is being used

D.

Using edge locations to put content closer to all users

Answer: D

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

QUESTION NO: 291

How can the AWS Cloud increase user workforce productivity after migration from an on-premises data center?

A.

Users do not have to wait for infrastructure provisioning.

B.

The AWS Cloud infrastructure is much faster than an on-premises data center infrastructure.

C.

AWS takes over application configuration management on behalf of users.

D.

Users do not need to address security and compliance issues.

Answer: A

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

QUESTION NO: 292

Which AWS service provides a quick and automated way to create and manage AWS accounts?

A.
AWS QuickSight

B.
Amazon Lightsail

C.

AWS Organizations

D.
Amazon Connect

Answer: C
Reference: https://aws.amazon.com/blogs/mt/automate-account-creation-and-resource-provisioning-using-aws-service-catalog-aws-organizations-and-aws-lambda/

QUESTION NO: 293

Which Amazon RDS feature can be used to achieve high availability?

A.
Multiple Availability Zones

B.
Amazon Reserved Instances

C.
Provisioned IOPS storage

D.
Enhanced monitoring

Answer: A
Explanation:

Amazon RDS provides high availability and failover support for DB instances using Multi-AZ deployments. Amazon RDS uses several different technologies to provide failover support. Multi-AZ deployments for Oracle, PostgreSQL, MySQL, and MariaDB DB instances use Amazon's failover technology. SQL Server DB instances use SQL Server Database Mirroring (DBM).

Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html

QUESTION NO: 294

Where should users report that AWS resources are being used for malicious purposes?

A.
AWS Abuse team

B.
AWS Shield

C.
AWS Support

D.
AWS Developer Forums

Answer: A
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/

QUESTION NO: 295

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

A.
AWS CloudTrail

B.
Amazon Simple Notification Service (Amazon SNS)

C.
VPC Flow Logs

D.
AWS CloudHSM

Answer: A
Explanation:

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use

CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

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

QUESTION NO: 296

What is an AWS Cloud design best practice?

A.
Tight coupling of components

B.
Single point of failure

C.
High availability

D.
Overprovisioning of resources

Answer: C
Explanation:

QUESTION NO: 297

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

A.
By replacing large variable costs with lower capital investments

B.
By replacing large capital investments with lower variable costs

C.
By allowing the provisioning of compute and storage at a fixed level to meet peak demand

D.
By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

Answer: B
Explanation:

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference: https://aws.amazon.com/economics/

QUESTION NO: 298

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

A.
AWS Auto Scaling for Amazon EC2 instances

B.
Amazon VPC subnet ACLs to check the health of a service

C.
Distributed resources across multiple Availability Zones

D.
AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region

E.
Distributed resources across multiple AWS points of presence

Answer: A,C
Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

QUESTION NO: 299

Which cloud design principle aligns with AWS Cloud best practices?

A.

Create fixed dependencies among application components

B.
Aggregate services on a single instance

C.
Deploy applications in a single Availability Zone

D.
Distribute the compute load across multiple resources

Answer: D
Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

QUESTION NO: 300

Which of the following are recommended practices for managing IAM users? (Choose two.)

A.
Require IAM users to change their passwords after a specified period of time

B.
Prevent IAM users from reusing previous passwords

C.
Recommend that the same password be used on AWS and other sites

D.
Require IAM users to store their passwords in raw text

E.
Disable multi-factor authentication (MFA) for IAM users

Answer: A,B
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html

QUESTION NO: 301

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project.

How can the company get this support? (Choose two.)

A.
Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.

B.
Contact AWS Support and open a case for assistance

C.
Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account

D.
Select a partner from the AWS Partner Network (APN) to assist with the migration

E.
Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

Answer: C,D
Reference: https://aws.amazon.com/solutions/aws-landing-zone/

QUESTION NO: 302

How does the AWS Enterprise Support Concierge team help users?

A.
Supporting application development

B.
Providing architecture guidance

C.
Answering billing and account inquires

D.
Answering questions regarding technical support cases

Answer: C
Reference: https://aws.amazon.com/premiumsupport/plans/enterprise/

QUESTION NO: 303

An application designed to span multiple Availability Zones is described as:

A.
being highly available

B.
having global reach

C.
using an economy of scale

D.
having elasticity

Answer: A
Reference:
https://books.google.com.pk/books?id=IueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+applicati
on+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source
=bl&ots=cj_NsIAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGlsltA&hl=en&sa=X&ved=2ahUK
EwiGzf-rtbroAhVkxoUKHRhjC-
IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multi
ple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false

QUESTION NO: 304

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its
Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at
least two:

A.
AWS Regions

B.
Availability Zones

C.
subnets

D.
placement groups

Answer: B
Reference: https://aws.amazon.com/ec2/faqs/

QUESTION NO: 305

Which AWS tool is used to compare the cost of running an application on-premises to running the application in the AWS Cloud?

A.
AWS Trusted Advisor

B.
AWS Simple Monthly Calculator

C.
AWS Total Cost of Ownership (TCO) Calculator

D.
Cost Explorer

Answer: C
Reference: https://aws.amazon.com/tco-calculator/

QUESTION NO: 306

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

A.

Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.

B.

Enable billing alerts in the AWS Billing and Cost Management console.

C.

Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.

D.

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

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

QUESTION NO: 307

Which situation should be reported to the AWS Abuse team?

A.
In Availability Zone has a service disruption

B.
An intrusion attempt is made from an AWS IP address

C.
A user has trouble accessing an Amazon S3 bucket from an AWS IP address

D.
A user needs to change payment methods due to a compromise

Answer: B
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/

QUESTION NO: 308

A company is planning to launch an ecommerce site in a single AWS Region to a worldwide user base.

Which AWS services will allow the company to reach users and provide low latency and high transfer speeds? (Choose two.)

A.
Application Load Balancer

B.
AWS Global Accelerator

C.
AWS Direct Connect

D.
Amazon CloudFront

E.
AWS Lambda

Answer: B,D
Reference: https://aws.amazon.com/cloudfront/faqs/

QUESTION NO: 309

Which AWS service or resource is serverless?

A.
AWS Lambda

B.
Amazon EC2 instances

C.
Amazon Lightsail

D.
Amazon ElastiCache

Answer: A
Reference: https://blogs.itemis.com/en/serverless-services-on-aws

QUESTION NO: 310

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

A.
Objects

B.
Subnets

C.
Buckets

D.
Internet gateways

E.
Access key

Answer: B,D
Reference:
https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lvl1sec26/
vpc-components

QUESTION NO: 311

AWS Budgets can be used to:

A.
prevent a given user from creating a resource

B.
send an alert when the utilization of Reserved Instances drops below a certain percentage

C.
set resource limits in AWS accounts to prevent overspending

D.

split an AWS bill across multiple forms of payment

Answer: B

Explanation:

QUESTION NO: 312

Which of the following will enhance the security of access to the AWS Management Console?
(Choose two.)

A.

AWS Secrets Manager

B.

AWS Certificate Manager

C.

AWS Multi-Factor Authentication (AWS MFA)

D.

Security groups

E.

Password policies

Answer: C,E

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

QUESTION NO: 313

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

A.

Information on Amazon S3 bucket permissions

B.

AWS service outages

C.

Multi-factor authentication enabled on the AWS account root user

D.

Available software patches

E.

Number of users in the account

Answer: A,C

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

QUESTION NO: 314

Which functions can users perform using AWS KMS?

A.

Create and manage AWS access keys for the AWS account root user

B.

Create and manage AWS access keys for an AWS account IAM user

C.

Create and manage keys for encryption and decryption of data

D.

Create and manage keys for multi-factor authentication

Answer: C

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

QUESTION NO: 315

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

A.

It identifies software vulnerabilities in applications running on AWS

B.

It provides a list of cost optimization recommendations based on current AWS usage

C.

It detects potential security vulnerabilities caused by permissions settings on account resources

D.

It automatically corrects potential security issues caused by permissions settings on account resources

E.

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

Answer: B,C
Explanation:

QUESTION NO: 316

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

A.
AWS manages the maintenance of the cloud infrastructure

B.
AWS manages the security of applications built on AWS

C.
AWS manages capacity planning for physical servers

D.
AWS manages the development of applications on AWS

E.
AWS manages cost planning for virtual servers

Answer: A,C
Reference: https://aws.amazon.com/compliance/data-center/controls/

QUESTION NO: 317

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

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

A.
Performance efficiency

B.
Reliability

C.
Cost optimization

D.
Security

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

QUESTION NO: 318

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

A.
AWS VPN

B.
Amazon Connect

C.
Amazon Cognito

D.
AWS Direct Connect

E.
AWS Managed Services

Answer: A,D

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

https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/

QUESTION NO: 319

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

A.
AWS Billing and Cost Management

B.
Consolidated billing

C.
Amazon CloudWatch

D.
Amazon QuickSight

Answer: A
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-what-is.html

QUESTION NO: 320

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

A.
AWS Regions

B.
Availability Zones

C.
Edge locations

D.

Amazon CloudFront

Answer: B

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

QUESTION NO: 321

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

A.

Security groups

B.

Elastic network interfaces

C.

Network ACLs

D.

VPC Flow Logs

Answer: D

Explanation:

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

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

QUESTION NO: 322

Which AWS service can be used to automatically scale an application up and down without

making capacity planning decisions?

A.
Amazon AutoScaling

B.
Amazon Redshift

C.
AWS CloudTrail

D.
AWS Lambda

Answer: D
Reference: https://aws.amazon.com/blogs/aws/category/auto-scaling/

QUESTION NO: 323

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

A.
AWS Trusted Advisor

B.
AWS Support case

C.
Concierge team

D.
Amazon Connect

Answer: C
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 324

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups.

Which AWS service will support this use case?

A.
Amazon RDS

B.
Amazon DynamoDB

C.
Amazon DocumentDB

D.
Amazon ElastiCache

Answer: A
Explanation:

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

Reference: https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rds-responsibilities/

QUESTION NO: 325

A company wants to expand from one AWS Region into a second AWS Region.

What does the company need to do to start supporting the new Region?

A.
Contact an AWS Account Manager to sign a new contract

B.
Move an Availability Zone to the new Region

C.

Begin deploying resources in the second Region

D.

Download the AWS Management Console for the new Region

Answer: C
Reference: https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html

QUESTION NO: 326

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server.

Which Amazon EC2 instance pricing option will meet these requirements?

A.
Dedicated Hosts

B.
Dedicated Instances

C.
Spot Instances

D.
Reserved Instances

Answer: A
Reference: https://aws.amazon.com/ec2/dedicated-hosts/

QUESTION NO: 327

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

A.

Amazon Macie

B.
AWS Certificate Manager

C.
AWS Key Management Service (AWS KMS)

D.
AWS Secrets Manager

E.
AWS CloudHSM

Answer: C,E
Reference: https://docs.aws.amazon.com/crypto/latest/userguide/awscryp-service-hsm.html

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

QUESTION NO: 328

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

A.
AWS Total Cost of Ownership (TCO) Calculator

B.
Cost Explorer

C.
AWS Budgets

D.
AWS Migration Hub

Answer: A
Reference: https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf (26)

QUESTION NO: 329

What can assist in evaluating an application for migration to the cloud? (Choose two.)

A.
AWS Trusted Advisor

B.
AWS Professional Services

C.
AWS Systems Manager

D.
AWS Partner Network (APN)

E.
AWS Secrets Manager

Answer: B,D
Explanation:

QUESTION NO: 330

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

A.
AWS Secrets Manager

B.
AWS CloudHSM

C.
AWS Key Management Service (AWS KMS)

D.
AWS Directory Service

Answer: B

Explanation:

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

requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Reference: https://aws.amazon.com/cloudhsm/faqs/

QUESTION NO: 331

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

A.
Decommissioning of physical storage devices

B.
Security group and ACL configuration

C.
Patch management of an Amazon RDS instance operating system

D.
Controlling physical access to data centers

E.
Patch management of an Amazon EC2 instance operating system

Answer: B,E
Reference: https://www.whizlabs.com/blog/aws-security-shared-responsibility/

QUESTION NO: 332

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

A.
Amazon EC2

B.
AWS Elastic Beanstalk

C.
AWS Lambda

D.
Amazon Lumberyard

Answer: C
Explanation:

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers.As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference: https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-database-and-networking-services/

QUESTION NO: 333

What is a value proposition of the AWS Cloud?

A.
AWS is responsible for security in the AWS Cloud

B.
No long-term contract is required

C.
Provision new servers in days

D.
AWS manages user applications in the AWS Cloud

Answer: B
Reference: https://d1.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf

QUESTION NO: 334

What is a characteristic of Amazon S3 cross-region replication?

A.
Both source and destination S3 buckets must have versioning disabled

B.
The source and destination S3 buckets cannot be in different AWS Regions

C.
S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts

D.
The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

Answer: C
Reference: https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html

QUESTION NO: 335

What is a user responsible for when running an application in the AWS Cloud?

A.
Managing physical hardware

B.
Updating the underlying hypervisor

C.
Providing a list of users approved for data center access

D.
Managing application software updates

Answer: D

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

QUESTION NO: 336

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which AWS Cloud feature can provide this?

A.
Elasticity

B.
High availability

C.
Agility

D.
Reliability

Answer: C

Reference: https://aws.amazon.com/devops/partner-solutions/

QUESTION NO: 337

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

A.
AWS Cost and Usage report

B.
AWS product pages

C.
AWS Simple Monthly Calculator

D.

Billing alerts and Amazon CloudWatch alarms

E.

AWS Price List API

Answer: A,D
Reference:
https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_
with_cloudwatch.html

QUESTION NO: 338

Amazon Route 53 enables users to:

A.

encrypt data in transit

B.

register DNS domain names

C.

generate and manage SSL certificates

D.

establish a dedicated network connection to AWS

Answer: B
Reference: https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html

QUESTION NO: 339

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and
workloads?

A.

Amazon Rekognition

B.
AWS Trusted Advisor

C.
Amazon GuardDuty

D.
Amazon CloudWatch

Answer: C
Reference: https://aws.amazon.com/guardduty/

QUESTION NO: 340

A company wants to try a third-party ecommerce solution before deciding to use it long term.

Which AWS service or tool will support this effort?

A.
AWS Marketplace

B.
AWS Partner Network (APN)

C.
AWS Managed Services

D.
AWS Service Catalog

Answer: A
Reference: https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-from-aws-console/

QUESTION NO: 341

Which AWS service is a managed NoSQL database?

A.

Amazon Redshift

B.

Amazon DynamoDB

C.

Amazon Aurora

D.

Amazon RDS for MariaDB

Answer: B

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

QUESTION NO: 342

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

A.

AWS Trusted Advisor

B.

AWS CloudTrail

C.

Amazon CloudWatch

D.

Amazon QuickSight

Answer: C

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

QUESTION NO: 343

A company is hosting a web application in a Docker container on Amazon EC2.

AWS is responsible for which of the following tasks?

A.

Scaling the web application and services developed with Docker

B.

Provisioning or scheduling containers to run on clusters and maintain their availability

C.

Performing hardware maintenance in the AWS facilities that run the AWS Cloud

D.

Managing the guest operating system, including updates and security patches

Answer: C
Reference: https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/

QUESTION NO: 344

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

Which AWS service will improve the customer experience by reducing latency?

A.
Amazon CloudFront

B.
AWS Direct Connect

C.
Amazon EC2 Auto Scaling

D.
AWS Transit Gateway

Answer: A
Reference: https://aws.amazon.com/getting-started/tutorials/deliver-content-faster/

QUESTION NO: 345

Which actions represent best practices for using AWS IAM? (Choose two.)

A.
Configure a strong password policy

B.
Share the security credentials among users of AWS accounts who are in the same Region

C.
Use access keys to log in to the AWS Management Console

D.
Rotate access keys on a regular basis

E.
Avoid using IAM roles to delegate permissions

Answer: A,D
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html

QUESTION NO: 346

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

A.
AWS Config

B.
VPC Flow Logs

C.
AWS Trusted Advisor

D.
AWS CloudTrail

Answer: B
Reference: https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html

QUESTION NO: 347

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability.

Which service will support these requirements?

A.
Amazon Inspector

B.
Amazon CloudWatch

C.
AWS Global Accelerator

D.
Amazon CloudFront

Answer: C

Explanation:

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference: https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc

QUESTION NO: 348

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

A.
Use AWS Config to generate an inventory of AWS resources

B.

Use service limits to prevent users from creating or making changes to AWS resources

C.

Use AWS CloudTrail to record AWS API calls into an auditable log file

D.

Use AWS Certificate Manager to whitelist approved AWS resources and services

E.

Use Amazon GuardDuty to validate configuration changes made to AWS resources

Answer: A,C
Explanation:

QUESTION NO: 349

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

A.
Amazon CloudWatch

B.
AWS Config

C.
AWS Trusted Advisor

D.
AWS IAM

Answer: A
Reference: https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity/

QUESTION NO: 350

Which design principle should be considered when architecting in the AWS Cloud?

A.

Think of servers as non-disposable resources

B.

Use synchronous integration of services

C.

Design loosely coupled components

D.

Implement the least permissive rules for security groups

Answer: C

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

QUESTION NO: 351

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

A.
AWS Snowball

B.
AWS Lambda

C.
Amazon ElastiCache

D.
AWS Database Migration Service (AWS DMS)

E.
Amazon API Gateway

Answer: A,D
Reference: https://aws.amazon.com/snowball/

QUESTION NO: 352

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

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

A.
Run the application on a bigger EC2 instance size.

B.
Switch to an EC2 instance family that better matches batch requirements.

C.
Distribute the application across multiple EC2 instances and run the workload in parallel.

D.
Run the application on a bare metal EC2 instance.

Answer: C
Explanation:

QUESTION NO: 353

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

A.
Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.

B.
Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.

C.
Configure AWS Organizations in each of the existing accounts. Then link all accounts together.

D.
Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

Answer: B
Reference:
https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html

QUESTION NO: 354

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

A.
Economy of scale

B.
Elasticity

C.
High availability

D.
Agility

Answer: B
Explanation:

QUESTION NO: 355

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.

Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

A.
AWS CloudTrail

B.
Amazon EC2 Auto Scaling

C.

Amazon Forecast

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/autoscaling/

QUESTION NO: 356

Which AWS service enables users to securely connect to AWS resources over the public internet?

A.
Amazon VPC peering

B.
AWS Direct Connect

C.
AWS VPN

D.
Amazon Pinpoint

Answer: C
Reference: https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf (36)

QUESTION NO: 357

Which tool is used to forecast AWS spending?

A.
AWS Trusted Advisor

B.
AWS Organizations

C.

Cost Explorer

D.
Amazon Inspector

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

QUESTION NO: 358

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

A.
Amazon ElastiCache

B.
Amazon CloudFront

C.
Amazon Elastic File System (Amazon EFS)

D.
Amazon Elastic Block Store (Amazon EBS)

Answer: B
Explanation:

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

Reference: https://aws.amazon.com/cloudfront/faqs/

QUESTION NO: 359

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

A.
Amazon Alexa

B.
AWS Regions

C.
Amazon Lightsail

D.
AWS Organizations

Answer: B
Reference: https://aws.amazon.com/about-aws/global-infrastructure/

QUESTION NO: 360

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

A.
Amazon CloudWatch

B.
AWS Config

C.
AWS CloudTrail

D.
Amazon Inspector

Answer: A
Reference: https://aws.amazon.com/ec2/faqs/

QUESTION NO: 361

Why is it beneficial to use Elastic Load Balancers with applications?

A.
They allow for the conversion from Application Load Balancers to Classic Load Balancers.

B.
They are capable of handling constant changes in network traffic patterns.

C.
They automatically adjust capacity.

D.
They are provided at no charge to users.

Answer: B
Reference: https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html

QUESTION NO: 362

Which tasks are the customer's responsibility in the AWS shared responsibility model? (Choose two.)

A.
Infrastructure facilities access management

B.
Cloud infrastructure hardware lifecycle management

C.
Configuration management of user's applications

D.
Networking infrastructure protection

E.
Security groups configuration

Answer: C,E
Reference: https://cloudacademy.com/blog/aws-shared-responsibility-model-security/

QUESTION NO: 363

IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components.

This is an example of which principle of cloud architecture design?

A.
Scalability

B.
Loose coupling

C.
Automation

D.
Automatic scaling

Answer: B
Reference: https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf (20)

QUESTION NO: 364

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

A.
AWS WAF

B.
AWS Trusted Advisor

C.
AWS Direct Connect

D.
AWS Organizations

E.
Network ACLs

Answer: A,E
Reference: https://aws.amazon.com/waf/

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

QUESTION NO: 365

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

Which AWS storage service should be used?

A.
Amazon EBS

B.
Amazon EFS

C.
Amazon S3

D.
AWS Artifact

Answer: B
Reference: https://aws.amazon.com/efs/

QUESTION NO: 366

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Choose two.)

A.

Running a virus scan on EC2 instances

B.

Protecting against IP spoofing and packet sniffing

C.

Installing the latest security patches on the RDS instance

D.

Encrypting communication between the EC2 instances and the Elastic Load Balancer

E.

Configuring a security group and a network access control list (NACL) for EC2 instances

Answer: B,C
Explanation:

QUESTION NO: 367

What is the benefit of elasticity in the AWS Cloud?

A.

Ensure web traffic is automatically spread across multiple AWS Regions.

B.

Minimize storage costs by automatically archiving log data.

C.

Enable AWS to automatically select the most cost-effective services.

D.

Automatically adjust the required compute capacity to maintain consistent performance.

Answer: D
Reference: https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/

QUESTION NO: 368

The continual reduction of AWS Cloud pricing is due to:

A.
pay-as-you go pricing

B.
the AWS global infrastructure

C.
economies of scale

D.
reserved storage pricing

Answer: C
Explanation:

QUESTION NO: 369

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements.

How can this be accomplished?

A.
Enable S3 Block Public Access from the AWS Management Console.

B.
Hold a team meeting to discuss the importance if only uploading private S3 objects.

C.
Require all S3 objects to be manually approved before uploading.

D.
Create a service to monitor all S3 uploads and remove any public uploads.

Answer: A
Reference: https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html

QUESTION NO: 370

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

A.
Open a detailed case related to billing and submit it to AWS Support for help.

B.
Upload data describing the issue to a new object in a private Amazon S3 bucket.

C.
Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.

D.
Proceed with creating a new dashboard in Amazon QuickSight.

Answer: A
Explanation:

QUESTION NO: 371

What does the AWS Simple Monthly Calculator do?

A.
Compares on-premises costs to colocation environments

B.
Estimates monthly billing based on projected usage

C.
Estimates power consumption at existing data centers

D.
Estimates CPU utilization

Answer: B
Reference: https://aws.amazon.com/blogs/aws/estimate-your-c/

QUESTION NO: 372

Who is responsible for patching the guest operating system for Amazon RDS?

A.
The AWS Product team

B.
The customer Database Administrator

C.
Managed partners

D.
AWS Support

Answer: A
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 373

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

A.
Amazon EC2

B.
Amazon DynamoDB

C.
Amazon S3

D.
Amazon Route 53

E.
Amazon Redshift

Answer: A,B
Reference: https://aws.amazon.com/autoscaling/faqs/

QUESTION NO: 374

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

A.
Reduced cost to run services on AWS

B.
Improved availability of applications deployed on AWS

C.
Higher durability of data stored on AWS

D.
Decreased latency to reach applications deployed on AWS

E.
Higher security of data stored on AWS

Answer: B,D
Reference: https://aws.amazon.com/global-accelerator/faqs/

QUESTION NO: 375

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

A.
the AWS Support forum

B.
AWS Abuse

C.
an AWS Solutions Architect

D.
AWS Support

Answer: D

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

QUESTION NO: 376

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

A.
Provision capacity based on past usage and theoretical peaks

B.
Dynamically and predictively scale to meet usage demands

C.
Build the application and infrastructure in a data center that grants physical access

D.
Break apart the application into loosely coupled components

Answer: B
Explanation:

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

QUESTION NO: 377

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

A.
Paying only for what is used

B.
Purchasing hardware before it is needed

C.

Manually provisioning cloud resources

D.
Purchasing for the maximum possible load

Answer: A
Reference: https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/

QUESTION NO: 378

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

A.
Installing security patches for the Xen and KVM hypervisors

B.
Installing operating system patches for Amazon DynamoDB

C.
Installing operating system security patches for Amazon EC2 database instances

D.
Installing operating system security patches for Amazon RDS database instances

Answer: C
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 379

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

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

B.
Break down AWS costs by day, service, and linked AWS account.

C.

Create budgets and receive notifications if current of forecasted usage exceeds the budgets.

D.

Switch automatically to Reserved Instances or Spot Instances, whichever is most cost-effective.

E.

Move data stored in Amazon S3 to a more cost-effective storage class.

Answer: B,C
Explanation:

QUESTION NO: 380

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

A.
AWS Support

B.
the customer

C.
AWS Systems Manager

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 381

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

A.
AWS Direct Connect

B.

Amazon Connect

C.

AWS Identity and Access Management (IAM)

D.

AWS Firewall Manager

Answer: C

Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html

https://aws.amazon.com/iam/

QUESTION NO: 382

Which AWS service provides on-demand of AWS security and compliance documentation?

A.

AWS Directory Service

B.

AWS Artifact

C.

AWS Trusted Advisor

D.

Amazon Inspector

Answer: B

Reference:
https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%
20select%20online%20agreements.

QUESTION NO: 383

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

A.

Amazon Polly

B.

Amazon Transcribe

C.

Amazon Rekognition

D.

Amazon Lex

Answer: A

Reference:

https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sounding%20human%20speech.

QUESTION NO: 384

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

A.

Design using a serverless architecture

B.

Assume that all components within an application can fail

C.

Design AWS Auto Scaling into every application

D.

Design all components using open-source code

Answer: B
Explanation:

QUESTION NO: 385

A user needs to generate a report that outlines the status of key security checks in an AWS

account. The report must include:

   The status of Amazon S3 bucket permissions.

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

   If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

A.
Amazon QuickSight dashboard

B.
AWS CloudTrail trails

C.
AWS Trusted Advisor report

D.
IAM credential report

Answer: C
Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-
checklist/#Security

QUESTION NO: 386

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

A.
Dedicated Hosts

B.
On-Demand Instances

C.
Spot Instances

D.
Reserved Instances

Answer: A

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

QUESTION NO: 387

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

A.
AWS Regions

B.
Availability Zones

C.
Edge locations

D.
Data centers

Answer: C
Explanation:

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time. Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

Reference: https://aws.amazon.com/caching/

QUESTION NO: 388

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

A.

Security

B.

Operational excellence

C.

Performance efficiency

D.

Cost optimization

Answer: A

Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf (12)

QUESTION NO: 389

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

A.

Amazon RDS

B.

Amazon DynamoDB

C.

Amazon Aurora

D.

Amazon Redshift

Answer: B

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

QUESTION NO: 390

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

A.
AWS Accounts

B.
AWS Regions

C.
Availability Zones

D.
Edge locations

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

QUESTION NO: 391

Which features and benefits does the AWS Organizations service provide? (Choose two.)

A.
Establishing real-time communications between members of an internal team

B.
Facilitating the use of NoSQL databases

C.
Providing automated security checks

D.
Implementing consolidated billing

E.
Enforcing the governance of AWS accounts

Answer: D,E
Reference: https://aws.amazon.com/organizations/

QUESTION NO: 392

Which AWS service is used to automate configuration management using Chef and Puppet?

A.
AWS Config

B.
AWS OpsWorks

C.
AWS CloudFormation

D.
AWS Systems Manager

Answer: B
Reference: https://aws.amazon.com/opsworks/

QUESTION NO: 393

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

A.
Detailed billing report

B.
Consolidated billing

C.
AWS Cost and Usage report

D.
Cost allocation report

Answer: B

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

QUESTION NO: 394

The AWS Total Cost of Ownership (TCO) Calculator is used to:

A.

receive reports that break down AWS Cloud compute costs by duration, resource, or tags

B.

estimate savings when comparing the AWS Cloud to an on-premises environment

C.

estimate a monthly bill for the AWS Cloud resources that will be used

D.

enable billing alerts to monitor actual AWS costs compared to estimated costs

Answer: B

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

QUESTION NO: 395

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

A.

Amazon Route 53

B.

AWS Direct Connect

C.

AWS Data Pipeline

D.

AWS VPN

E.
Amazon Connect

Answer: B,D
Reference: https://aws.amazon.com/directconnect/faqs/

QUESTION NO: 396

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

A.
Setting up server-side encryption on an Amazon S3 bucket

B.
Amazon RDS instance patching

C.
Network and firewall configurations

D.
Physical security of data center facilities

E.
Compute capacity availability

Answer: A,C
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 397

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

A.
Developer

B.

Enterprise

C.

Business

D.

Basic

Answer: C

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

QUESTION NO: 398

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

What is the MOST efficient way to apply the security patches?

A.

Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.

B.

Enable automatic patching for the instances using the Amazon RDS console.

C.

In AWS Config, configure a rule for the instances and the required patch level.

D.

Use AWS Systems Manager to automate database patching according to a schedule.

Answer: D

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

QUESTION NO: 399

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

Based on this situation, the Amazon EC2 instances should be deployed:

A.

in a single Availability Zone in one AWS Region

B.

with multiple Elastic Network Interfaces belonging to different subnets

C.

across multiple Availability Zones in one AWS Region

D.

across multiple Availability Zones in two AWS Regions

Answer: D
Reference: https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/

QUESTION NO: 400

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency.

What should the company do to reduce latency?

A.
Implement AWS Direct Connect for users in Brazil

B.
Provision resources in the South America (São Paulo) Region in Brazil

C.
Use AWS Transit Gateway to quickly route users from Brazil to the application

D.
Launch additional Amazon EC2 instances in Sydney to handle the demand

Answer: B

Reference: https://aws.amazon.com/transit-gateway/

QUESTION NO: 401

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process.

What is the most appropriate purchasing option?

A.
Dedicated Instances

B.
Spot Instances

C.
On-Demand Instances

D.
Reserved Instances

Answer: C
Reference: https://jayendrapatil.com/aws-ec2-instance-purchasing-option/

QUESTION NO: 402

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

A.
AWS Service Health Dashboard

B.
AWS Personal Health Dashboard

C.
AWS Trusted Advisor dashboard

D.

Amazon CloudWatch dashboard

Answer: B

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

QUESTION NO: 403

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

A.
AWS Backup

B.
Amazon Connect

C.
AWS Direct Connect

D.
AWS Storage Gateway

Answer: D

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

QUESTION NO: 404

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

A.
Access keys

B.
Virtual private gateways

C.

Security groups

D.
Access Control Lists (ACL)

Answer: C
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html

QUESTION NO: 405

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

A.
Use AWS Direct Connect

B.
Use AWS VPN

C.
Use AWS Client VPN

D.
Use an AWS Transit Gateway

Answer: D
Reference: https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf (11)

QUESTION NO: 406

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

A.
Basic

B.

Business

C.
Developer

D.
Enterprise

Answer: D
Reference: https://aws.amazon.com/premiumsupport/plans/enterprise/

QUESTION NO: 407

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

A.
Amazon Cognito

B.
AWS Organizations

C.
AWS Shield

D.
AWS Firewall Manager

Answer: B
Reference: https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html

QUESTION NO: 408

What is the best resource for a user to find compliance-related information and reports about AWS?

A.
AWS Artifact

B.

AWS Marketplace

C.

Amazon Inspector

D.

AWS Support

Answer: A

Reference:

https://aws.amazon.com/compliance/faq/#:~:text=AWS%20Artifact%20%E2%80%93%20AWS%2
0Artifact%20is,reports%20and%20select%20online%20agreements

QUESTION NO: 409

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

A.

Amazon S3 Standard

B.

Amazon S3 Glacier Deep Archive

C.

Amazon S3 One Zone-Infrequent Access

D.

Amazon S3 Glacier

Answer: C

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

QUESTION NO: 410

What is an Availability Zone in AWS?

A.

One or more physical data centers

B.

A completely isolated geographic location

C.

One or more edge locations based around the world

D.

A data center location with a single source of power and networking

Answer: A

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

QUESTION NO: 411

Which AWS services can be used as infrastructure automation tools? (Choose two.)

A.

AWS CloudFormation

B.

Amazon CloudFront

C.

AWS Batch

D.

AWS OpsWorks

E.

Amazon QuickSight

Answer: A,D

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

QUESTION NO: 412

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

A.

Amazon ElastiCache

B.

AWS CloudFormation

C.

AWS CloudTrail

D.

AWS Systems Manager

Answer: B

Reference: https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-aws-accounts-and-regions/

QUESTION NO: 413

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail.

Which AWS service will provide this capability?

A.

AWS Secrets Manager

B.

AWS Systems Manager

C.

AWS Key Management Service (AWS KMS)

D.

AWS Certificate Manager

Answer: C

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

QUESTION NO: 414

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

A.
Easy and fast deployment of applications in multiple Regions around the world

B.
Security of the AWS Cloud

C.
Elasticity of the AWS Cloud

D.
Lower variable costs due to massive economies of scale

Answer: C
Explanation:

QUESTION NO: 415

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

A.
An access key ID

B.
A primary key

C.
A secret access key

D.
A user ID

E.
A secondary key

Answer: A,C
Reference: https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html

QUESTION NO: 416

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

A.
Amazon Lightsail

B.
AWS Systems Manager

C.
AWS CloudFormation

D.
AWS Batch

E.
Amazon Inspector

Answer: A,D
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html

QUESTION NO: 417

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

A.
Add department-specific tags to each resource

B.
Create a separate VPC for each department

C.
Create a separate AWS account for each department

D.
Use AWS Organizations

Answer: C

Explanation:

QUESTION NO: 418

What is a benefit of consolidated billing for AWS accounts?

A.
Access to AWS Personal Health Dashboard

B.
Combined usage volume discounts

C.
Improved account security

D.
Centralized AWS IAM

Answer: B
Reference: https://jayendrapatil.com/aws-consolidated-billing/

QUESTION NO: 419

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

A.
AWS Organizations

B.
AWS Budgets

C.
Cost Explorer

D.
AWS Trusted Advisor

Answer: B
Reference: https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/

QUESTION NO: 420

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

A.
Amazon GuardDuty

B.
Amazon Inspector

C.
Amazon Macie

D.
AWS Shield

Answer: C
Reference: https://aws.amazon.com/macie/

QUESTION NO: 421

Which tool can be used to monitor AWS service limits?

A.
AWS Total Cost of Ownership (TCO) Calculator

B.
AWS Trusted Advisor

C.
AWS Personal Health Dashboard

D.
AWS Cost and Usage report

Answer: B
Reference: https://aws.amazon.com/blogs/mt/monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch/

QUESTION NO: 422

A company has distributed its workload on both the AWS Cloud and some on-premises servers.

What type of architecture is this?

A.
Virtual private network

B.
Virtual private cloud

C.
Hybrid cloud

D.
Private cloud

Answer: C
Reference: https://aws.amazon.com/hybrid/

QUESTION NO: 423

Which of the following describes a security best practice that can be implemented using AWS IAM?

A.
Disable AWS Management Console access for all users

B.
Generate secret keys for every IAM user

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

D.

Store AWS credentials within Amazon EC2 instances

Answer: C

Reference: https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/

QUESTION NO: 424

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

A.

AWS shared responsibility model

B.

AWS Control Tower

C.

AWS Security Hub

D.

AWS Well-Architected Tool

Answer: B

Explanation:

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, well-architected, and ready to use. Control Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

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

QUESTION NO: 425

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

A.
VPC peering

B.
AWS Transit Gateway

C.
AWS Direct Connect

D.
AWS Global Accelerator

Answer: B
Reference: https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scaling-digital-course/

QUESTION NO: 426

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

A.
AWS Shield Advanced

B.
AWS Firewall Manager

C.
AWS WAF

D.
Amazon GuardDuty

Answer: A
Reference: https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html

QUESTION NO: 427

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

A.
On-Demand Instances

B.
Spot Instances

C.
Reserved Instances

D.
Dedicated Hosts

Answer: B
Reference: https://aws.amazon.com/ec2/pricing/

QUESTION NO: 428

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

A.
Physical and environmental security

B.
Physical network devices including firewalls

C.
Storage device decommissioning

D.
Security of data in transit

E.
Data integrity authentication

Answer: D,E
Explanation:

QUESTION NO: 429

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm.

To optimize for cost, which Amazon EC2 purchasing option should be used?

A.
On-Demand Instances

B.
Reserved Instances

C.
Spot Instances

D.
Dedicated Hosts

Answer: C
Reference: https://aws.amazon.com/ec2/pricing/

QUESTION NO: 430

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

A.
Amazon Elastic Container Registry (Amazon ECR)

B.
AWS Elastic Beanstalk

C.
Amazon Elastic Container Service (Amazon ECS)

D.
Amazon Elastic Block Store (Amazon EBS)

Answer: C

Explanation:

QUESTION NO: 431

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

A.
Amazon Cognito

B.
AWS Shield

C.
AWS IAM role

D.
AWS IAM user access key

Answer: C

Explanation:

QUESTION NO: 432

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it.

Who should the developer contact for this level of support?

A.
AWS Support using a support case

B.
AWS Professional Services

C.
AWS technical account manager

D.

AWS consulting partners

Answer: A
Explanation:

QUESTION NO: 433

What is the purpose of having an internet gateway within a VPC?

A.
To create a VPN connection to the VPC

B.
To allow communication between the VPC and the Internet

C.
To impose bandwidth constraints on internet traffic

D.
To load balance traffic from the Internet across Amazon EC2 instances

Answer: B
Explanation:

QUESTION NO: 434

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

A.
Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.

B.
Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.

C.

Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.

D.

Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

Answer: B

Explanation:

QUESTION NO: 435

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

A.

NAT gateway

B.

Elastic Load Balancing

C.

Amazon Athena

D.

AWS PrivateLink

Answer: B

Explanation:

QUESTION NO: 436

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

A.

Cost optimization

B.

Auditing

C.

Serverless architecture

D.

Performance

E.

Scalability

Answer: A,D

Explanation:

QUESTION NO: 437

Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

A.

Closing an AWS account

B.

Creating a new IAM policy

C.

Changing AWS Support plans

D.

Attaching a role to an Amazon EC2 instance

E.

Generating access keys for IAM users

Answer: A,C

Explanation:

QUESTION NO: 438

Fault tolerance refers to:

A.

the ability of an application to accommodate growth without changing design

B.

how well and how quickly an application's environment can have lost data restored

C.

how secure your application is

D.

the built-in redundancy of an application's components

Answer: B
Explanation:

QUESTION NO: 439

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production.

How can this be achieved?

A.
Use multiple AWS accounts

B.
Use resource tagging

C.
Use multiple VPCs

D.
Use Cost Explorer

Answer: B
Explanation:

QUESTION NO: 440

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

A.
AWS AppSync

B.
AWS Batch

C.
AWS CodePipeline

D.
AWS DataSync

Answer: C
Explanation:

QUESTION NO: 441

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

A.
Spot Instances for stateless and flexible workloads

B.
Memory optimized instances for high-compute workloads

C.
On-Demand Instances for high-cost and sustained workloads

D.
Reserved Instances for sustained workloads

E.
Spend limits set using AWS Budgets

Answer: A,D
Explanation:

QUESTION NO: 442

A company is launching an e-commerce site that will store and process credit card data. The

company requires information about AWS compliance reports and AWS agreements.

Which AWS service provides on-demand access to these items?

A.
AWS Certificate Manager

B.
AWS Config

C.
AWS Artifact

D.
AWS CloudTrail

Answer: C
Explanation:

QUESTION NO: 443

Which AWS service or feature allows the user to manager cross-region application traffic?

A.
Amazon AppStream 2.0

B.
Amazon VPC

C.
Elastic Load Balancer

D.
Amazon Route 53

Answer: A
Explanation:

QUESTION NO: 444

Which AWS service can be used to track unauthorized API calls?

A.

AWS Config

B.

AWS CloudTrail

C.

AWS Trusted Advisor

D.

Amazon Inspector

Answer: B
Explanation:

QUESTION NO: 445

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

A.

AWS Trusted Advisor

B.

AWS Config

C.

AWS Resource Access Manager

D.

AWS Systems Manager

Answer: B
Explanation:

QUESTION NO: 446

A user is planning to launch two additional Amazon EC2 instances to increase availability.

Which action should the user take?

A.
Launch the instances across multiple Availability Zones in a single AWS Region.

B.
Launch the instances as EC2 Reserved Instances in the same AWS Region and the same Availability Zone.

C.
Launch the instances in multiple AWS Regions, but in the same Availability Zone.

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

Answer: A
Explanation:

QUESTION NO: 447

A company must store critical business data in Amazon S3 with a backup to another AWS Region.

How can this be achieved?

A.
Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally

B.
Set up Amazon S3 cross-region replication to another AWS Region

C.
Configure the AWS Backup service to back up to the data to another AWS Region

D.
Take Amazon S3 bucket snapshots and copy that data to another AWS Region

Answer: B
Explanation:

QUESTION NO: 448

Which AWS Cloud service can send alerts to customers if custom spending thresholds are exceeded?

A.
AWS Budgets

B.
AWS Cost Explorer

C.
AWS Cost Allocation Tags

D.
AWS Organizations

Answer: A
Explanation:

QUESTION NO: 449

What is the recommended method to request penetration testing on AWS resources?

A.
Open a support case

B.
Fill out the Penetration Testing Request Form

C.
Request a penetration test from your technical account manager

D.
Contact your AWS sales representative

Answer: B
Explanation:

QUESTION NO: 450

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3.

Which AWS service can meet these requirements?

A.
Amazon Inspector

B.
Amazon Macie

C.
Amazon GuardDuty

D.
AWS Secrets Manager

Answer: B
Explanation:

QUESTION NO: 451

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

A.
Internet gateway

B.
NAT gateway

C.
Customer gateway

D.
Transit gateway

E.
Virtual private gateway

Answer: C,D

Explanation:

QUESTION NO: 452

Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

A.
Spot Instances

B.
Dedicated Hosts

C.
On-Demand Instances

D.
Reserved Instances

Answer: C
Explanation:

QUESTION NO: 453

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

A.
Scalability

B.
Services, not servers

C.
Removing single points of failure

D.
Loose coupling

Answer: D

Explanation:

QUESTION NO: 454

What is the MOST effective resource for staying up to date on AWS security announcements?

A.
AWS Personal Health Dashboard

B.
AWS Secrets Manager

C.
AWS Security Bulletins

D.
Amazon Inspector

Answer: C
Explanation:

QUESTION NO: 455

Which AWS service offers persistent storage for a file system?

A.
Amazon S3

B.
Amazon EC2 instance store

C.
Amazon Elastic Block Store (Amazon EBS)

D.
Amazon ElastiCache

Answer: C
Explanation:

QUESTION NO: 456

Which of the following allows AWS users to manage cost allocations for billing?

A.
Tagging resources

B.
Limiting who can create resources

C.
Adding a secondary payment method

D.
Running all operations on a single AWS account

Answer: A
Explanation:

QUESTION NO: 457

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

A.
Amazon GuardDuty

B.
AWS Security Hub

C.
AWS Artifact

D.
AWS Shield

Answer: C
Explanation:

QUESTION NO: 458

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

A.
AWS Lambda

B.
Amazon Elasticsearch Service

C.
AWS Elastic Beanstalk

D.
Amazon DynamoDB

E.
Amazon Redshift

Answer: A,D
Explanation:

QUESTION NO: 459

Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

A.
AWS VPN

B.
NAT gateway

C.
AWS Direct Connect

D.
Amazon Connect

E.
Amazon Route 53

Answer: A,C

Explanation:

QUESTION NO: 460

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

A.
The linked account must be actively compliant with AWS System and Organization Controls (SOC).

B.
The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.

C.
The member account must meet the requirements of a standalone account.

D.
The payer account must be used to remove the linked account from the organization.

Answer: D
Explanation:

QUESTION NO: 461

What AWS benefit refers to a customer's ability to deploy applications that scale up and down the meet variable demand?

A.
Elasticity

B.
Agility

C.
Security

D.
Scalability

Answer: D
Explanation:

QUESTION NO: 462

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report.

Which service should be used to submit this request?

A.
AWS Personal Health Dashboard

B.
AWS Trusted Advisor

C.
AWS Artifact

D.
Amazon S3

Answer: C
Explanation:

QUESTION NO: 463

A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.

Which configuration will meet these requirements?

A.
Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.

B.
Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.

C.

Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.

D.

Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

Answer: A

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

QUESTION NO: 464

A company has a 500 TB image repository that needs to be transported to AWS for processing.

Which AWS service can import this data MOST cost-effectively?

A.

AWS Snowball

B.

AWS Direct Connect

C.

AWS VPN

D.

Amazon S3

Answer: D

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

QUESTION NO: 465

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

A.

Amazon DynamoDB

B.

Amazon Athena

C.

Amazon RDS

D.

Amazon EMR

Answer: C

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

QUESTION NO: 466

Which of the following assist in identifying costs by department? (Choose two.)

A.

Using tags on resources

B.

Using multiple AWS accounts

C.

Using an account manager

D.

Using AWS Trusted Advisor

E.

Using Consolidated Billing

Answer: B,E

Explanation:

QUESTION NO: 467

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

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

A.
Principal

B.
Action

C.
Resource

D.
Statement

Answer: C
Reference: https://docs.aws.amazon.com/AmazonS3/latest/dev/walkthrough1.html

QUESTION NO: 468

Which AWS service allows for effective cost management of multiple AWS accounts?

A.
AWS Organizations

B.
AWS Trusted Advisor

C.
AWS Direct Connect

D.
Amazon Connect

Answer: A
Reference: https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/

QUESTION NO: 469

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month.

What pricing model is appropriate?

A.
Reserved Instances

B.
Spot Instances

C.
On-Demand Instances

D.
Dedicated Hosts

Answer: C
Reference: https://aws.amazon.com/ec2/pricing/

QUESTION NO: 470

Which AWS tools automatically forecast future AWS costs?

A.
AWS Support Center

B.
AWS Total Cost of Ownership (TCO) Calculator

C.
AWS Simple Monthly Calculator

D.
Cost Explorer

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

QUESTION NO: 471

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

A.
Enabling server-side encryption for objects stored in S3

B.
Applying AWS IAM security policies

C.
Patching the operating system on an Amazon EC2 instance

D.
Applying updates to the hypervisor

Answer: D
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected

QUESTION NO: 472

A user is able to set up a master payer account to view consolidated billing reports through:

A.
AWS Budgets.

B.
Amazon Macie.

C.
Amazon QuickSight.

D.
AWS Organizations.

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

QUESTION NO: 473

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

A.
Performance efficiency

B.
Operational excellence

C.
Reliability

D.
Security

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

QUESTION NO: 474

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

A.
Vertical scaling

B.
Manual failure recovery

C.
Testing recovery procedures

D.
Changing infrastructure manually

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

QUESTION NO: 475

What is a characteristic of Convertible Reserved Instances (RIs)?

A.
Users can exchange Convertible RIs for other Convertible RIs from a different instance family.

B.
Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.

C.
Users can sell and buy Convertible RIs on the AWS Marketplace.

D.
Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

Answer: A
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html

QUESTION NO: 476

The user is fully responsible for which action when running workloads on AWS?

A.
Patching the infrastructure components

B.
Implementing controls to route application traffic

C.
Maintaining physical and environmental controls

D.
Maintaining the underlying infrastructure components

Answer: B
Explanation:

QUESTION NO: 477

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS.

What is the BEST way to get a monthly cost estimation for this architecture?

A.
Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.

B.
Collect the published prices of the AWS services and calculate the monthly estimate.

C.
Use the AWS Simple Monthly Calculator to estimate the monthly cost.

D.
Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

Answer: C
Reference: https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf

QUESTION NO: 478

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

A.
Automated backups

B.
Schema management

C.
Indexing of tables

D.
Software patching

E.
Extract, transform, and load (ETL) management

Answer: A,D
Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html

QUESTION NO: 479

What does the Amazon S3 Intelligent-Tiering storage class offer?

A.
Payment flexibility by reserving storage capacity

B.
Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume

C.
Automatic cost savings by moving objects between tiers based on access pattern changes

D.
Secure, durable, and lowest cost storage for data archival

Answer: C
Reference: https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/

QUESTION NO: 480

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.

Which AWS service can be used to meet this requirement?

A.
Amazon DynamoDB

B.
Amazon Redshift

C.
Amazon Athena

D.
Amazon QuickSight

Answer: B
Reference: https://aws.amazon.com/redshift/faqs/

QUESTION NO: 481

Which AWS service can be used to track resource changes and establish compliance?

A.
Amazon CloudWatch

B.
AWS Config

C.
AWS CloudTrail

D.
AWS Trusted Advisor

Answer: B
Reference: https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html

QUESTION NO: 482

A user has underutilized on-premises resources.

Which AWS Cloud concept can BEST address this issue?

A.
High availability

B.
Elasticity

C.

Security

D.
Loose coupling

Answer: B
Reference: https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/

QUESTION NO: 483

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.

What is the MOST cost-effective pricing model for this workload?

A.
On-Demand Instances

B.
Reserved Instances

C.
Dedicated Instances

D.
Spot Instances

Answer: A
Explanation:

On-demand instances are useful for running stateful workloads without making a long-term commitment, but if your workloads are stateless or can tolerate shorter run cycles, there's a more cost-effective instance type called a Spot Instance.

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

QUESTION NO: 484

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.

What is the most suitable and cost-effective option for this task?

A.
On-Demand Instance

B.
Reserved Instance

C.
Dedicated Host

D.
Spot Instance

Answer: D
Reference: https://aws.amazon.com/ec2/spot/details/

QUESTION NO: 485

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

A.
Providing high-performance container orchestration

B.
Creating and rotating encryption keys

C.
Detecting underutilized resources to save costs

D.
Improving security by proactively monitoring the AWS environment

E.
Implementing enforced tagging across AWS resources

Answer: D,E
Reference: https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilities-for-trusted-advisor/

QUESTION NO: 486

A developer has been hired by a large company and needs AWS credentials.

Which are security best practices that should be followed? (Choose two.)

A.
Grant the developer access to only the AWS resources needed to perform the job.

B.
Share the AWS account root user credentials with the developer.

C.
Add the developer to the administrator's group in AWS IAM.

D.
Configure a password policy that ensures the developer's password cannot be changed.

E.
Ensure the account password policy requires a minimum length.

Answer: A,E
Explanation:

QUESTION NO: 487

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

A.
AWS Storage Gateway

B.
Amazon S3 Glacier Deep Archive

C.
Amazon Lightsail

D.
AWS Snowball

Answer: D
Reference: https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html

QUESTION NO: 488

Which service provides a user the ability to warehouse data in the AWS Cloud?

A.
Amazon EFS

B.
Amazon Redshift

C.
Amazon RDS

D.
Amazon VPC

Answer: B
Reference: https://aws.amazon.com/redshift/

QUESTION NO: 489

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

A.
Patching the guest operating system

B.
Maintaining physical and environmental controls

C.
Protecting communications and maintaining zone security

D.

Patching specific applications

Answer: B
Explanation:

QUESTION NO: 490

Which services can be used to deploy applications on AWS? (Choose two.)

A.
AWS Elastic Beanstalk

B.
AWS Config

C.
AWS OpsWorks

D.
AWS Application Discovery Service

E.
Amazon Kinesis

Answer: A,C
Reference: https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf

QUESTION NO: 491

Which AWS service can be used to provide an on-demand, cloud-based contact center?

A.
AWS Direct Connect

B.
Amazon Connect

C.
AWS Support Center

D.
AWS Managed Services

Answer: B
Reference: https://aws.amazon.com/connect/customers/

QUESTION NO: 492

What tool enables customers without an AWS account to estimate costs for almost all AWS services?

A.
Cost Explorer

B.
TCO Calculator

C.
AWS Budgets

D.
Simple Monthly Calculator

Answer: A
Reference: https://aws.amazon.com/aws-cost-management/aws-cost-explorer/

QUESTION NO: 493

Which component must be attached to a VPC to enable inbound Internet access?

A.
NAT gateway

B.
VPC endpoint

C.

VPN connection

D.
Internet gateway

Answer: C
Reference: https://d1.awsstatic.com/whitepapers/aws-security-whitepaper.pdf (41, 42, 43)

QUESTION NO: 494

Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

A.
Spot Instance

B.
On-Demand Instance

C.
Partial Upfront Reserved Instance

D.
No Upfront Reserved Instance

Answer: C
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html

QUESTION NO: 495

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

Answer: C

Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html

QUESTION NO: 496

A company wants to ensure that AWS Management Console users are meeting password complexity requirements.

How can the company configure password complexity?

A.

Using an AWS IAM user policy

B.

Using an AWS Organizations service control policy (SCP)

C.

Using an AWS IAM account password policy

D.

Using an AWS Security Hub managed insight

Answer: A

Reference:

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html

QUESTION NO: 497

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

A.

Patching guest OS and applications

B.

Patching and fixing flaws in the infrastructure

C.

Physical and environmental controls

D.

Configuration of AWS infrastructure devices

Answer: A
Explanation:

QUESTION NO: 498

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

A.
Use any AWS service and implement PCI controls at the application layer

B.
Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer

C.
Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service

D.
Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

Answer: D
Reference: https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html

QUESTION NO: 499

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)

Answer: D

Reference: https://aws.amazon.com/sqs/faqs/

QUESTION NO: 500

AnyCompany recently purchased Example Corp. Both companies use AWS resources, and AnyCompany wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

A.

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

B.

AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.

C.

Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.

D.
Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

Answer: D
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbilling-aboutv2.pdf

QUESTION NO: 501

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

A.
Cost Explorer

B.
AWS Budgets

C.
AWS Cost and Usage Report

D.
AWS CloudTrail

Answer: B
Reference: https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/

QUESTION NO: 502

A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

A.
AWS CloudFormation

B.
AWS Elastic Beanstalk

C.
Amazon EC2

D.
AWS OpsWorks

Answer: B
Reference: https://aws.amazon.com/elasticbeanstalk/

QUESTION NO: 503

Which AWS Trusted Advisor check is available to all AWS users?

A.
Core checks

B.
All checks

C.
Cost optimization checks

D.
Fault tolerance checks

Answer: C
Reference: https://www.amazonaws.cn/en/support/trustedadvisor/faq/#checks

QUESTION NO: 504

A web developer is concerned that a DDoS attack could target an application.

Which AWS services or features can help protect against such an attack? (Choose two.)

A.

AWS Shield

B.
AWS CloudTrail

C.
Amazon CloudFront

D.
AWS Support Center

E.
AWS Service Health Dashboard

Answer: A,B
Reference: https://aws.amazon.com/shield/

QUESTION NO: 505

Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

A.
AWS Config

B.
Amazon GuardDuty

C.
AWS Trusted Advisor

D.
AWS Artifact

Answer: D
Reference: https://aws.amazon.com/artifact

QUESTION NO: 506

A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs).

Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Choose two.)

A.
Create an IAM user and provide AWS Management Console access only.

B.
Create an IAM user and provide programmatic access only.

C.
Create an IAM role and provide AWS Management Console access only.

D.
Create an IAM policy with administrator access and attach it to the IAM user.

E.
Create an IAM policy with Amazon RDS access and attach it to the IAM user.

Answer: B,E
Explanation:

QUESTION NO: 507

A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources.

Which AWS service should the company use?

A.
AWS Config

B.
AWS Secrets Manager

C.
AWS CloudTrail

D.
AWS Trusted Advisor

Answer: A

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

QUESTION NO: 508

What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Choose two.)

A.
Preventing a single point of failure

B.
Reducing the operational costs of the application

C.
Allowing the application to serve cross-region users with low latency

D.
Increasing the availability of the application

E.
Increasing the load of the application

Answer: A,D
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html

QUESTION NO: 509

A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances.

What pricing model will minimize cost while ensuring that compute resources remain available?

A.
Dedicated Hosts

B.

On-Demand Instances

C.
Spot Instances

D.
Reserved Instances

Answer: D
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html

QUESTION NO: 510

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

A.
AWS Personal Health Dashboard

B.
AWS Trusted Advisor

C.
Billing Dashboard

D.
AWS Config

Answer: A
Reference: https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/

QUESTION NO: 511

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

A.
Patching the operating system of underlying hardware

B.

Controlling traffic to and from the database through security groups

C.

Running backups that enable point-in-time recovery of a DB instance

D.

Replacing failed DB instances

Answer: D
Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html

QUESTION NO: 512

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

A.
Operating system configuration

B.
Application management

C.
Platform management

D.
Code encryption

Answer: D
Reference: https://aws.amazon.com/lambda/security-overview-of-aws-lambda/

QUESTION NO: 513

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds.

Which AWS service will support these requirements?

A.

AWS Budgets

B.
Cost Explorer

C.
AWS CloudTrail

D.
Amazon Macie

Answer: A
Reference: https://aws.amazon.com/aws-cost-management/aws-budgets/

QUESTION NO: 514

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

A.
Amazon Aurora

B.
Amazon DynamoDB

C.
Amazon RDS

D.
Amazon Redshift

Answer: B
Reference: https://aws.amazon.com/nosql/

QUESTION NO: 515

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

A.
Reserved Instances

B.
On-Demand Instances

C.
Dedicated Instances

D.
Spot Instances

Answer: D
Reference: https://aws.amazon.com/ec2/spot/

QUESTION NO: 516

Which AWS service or feature requires an internet service provider (ISP) and a colocation facility to be implemented?

A.
AWS VPN

B.
Amazon Connect

C.
AWS Direct Connect

D.
Internet gateway

Answer: C
Reference: https://aws.amazon.com/directconnect/partners/

QUESTION NO: 517

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

A.
Amazon EC2

B.
Amazon S3

C.
Amazon Elastic Block Store (Amazon EBS)

D.
Amazon Cognito

E.
AWS Lambda

Answer: A,E
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html

QUESTION NO: 518

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

A.
AWS CodeBuild

B.
AWS CodeCommit

C.
AWS CodePipeline

D.
AWS CodeStar

Answer: B
Reference: https://docs.aws.amazon.com/codecommit/latest/userguide/welcome.html

QUESTION NO: 519

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

Answer: D
Reference: https://www.coalfire.com/the-coalfire-blog/march-2019/aws-trusted-advisor-for-security-compliance

QUESTION NO: 520

A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption.

Which AWS infrastructure component should the company replicate across?

A.
Edge locations

B.
Availability Zones

C.
Regions

D.
Amazon Route 53

Answer: B
Reference: https://d36cz9buwru1tt.cloudfront.net/AWS_Building_Fault_Tolerant_Applications.pdf (3)

QUESTION NO: 521

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

A.
Amazon Simple Notification Service (Amazon SNS)

B.
Amazon Simple Email Service (Amazon SES)

C.
Amazon CloudWatch alerts

D.
Amazon Simple Queue Service (Amazon SQS)

Answer: D
Reference: https://aws.amazon.com/getting-started/hands-on/send-messages-distributed-applications/#:~:text=Send%20Messages%20Between%20Distributed%20Applications%20with%20Amazon%20Simple%20Queue%20Service%20(SQS)

QUESTION NO: 522

Which AWS Cloud design principles can help increase reliability? (Choose two.)

A.
Using monolithic architecture

B.
Measuring overall efficiency

C.
Testing recovery procedures

D.
Adopting a consumption model

E.
Automatically recovering from failure

Answer: C,E
Reference: https://wa.aws.amazon.com/wat.pillar.reliability.en.html

QUESTION NO: 523

A company has an AWS environment that consists of a VPC, multiple subnets, and many Amazon EC2 instances in the subnets. An engineer wants to restrict inbound traffic to one particular EC2 instance without affecting the other EC2 instances.

Which AWS service or feature should the engineer use to meet this requirement?

A.
Network ACLs

B.
Security groups

C.
Amazon GuardDuty

D.
AWS Shield

Answer: A
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/

QUESTION NO: 524

A company wants to connect to AWS over a private, low-latency connection from its remote office.

What is the recommended method to meet these requirements?

A.
Create a VPN tunnel

B.
Connect across the public internet

C.

Use VPC peering to create a connection.

D.

Use AWS Direct Connect.

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

QUESTION NO: 525

Which AWS service can be used to retrieve compliance reports on demand?

A.
AWS Secrets Manager

B.
AWS Artifact

C.
AWS Security Hub

D.
AWS Certificate Manager

Answer: B
Reference: https://aws.amazon.com/artifact/

QUESTION NO: 526

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.

Which AWS service should the company use?

A.
Amazon GuardDuty

B.

AWS WAF

C.

AWS Trusted Advisor

D.

Amazon Inspector

Answer: B

Reference: https://aws.amazon.com/waf/faq/

QUESTION NO: 527

How should a web application be deployed to ensure high availability in the AWS Cloud?

A.

Deploy multiple instances of the application in multiple Availability Zones.

B.

Deploy multiple instances of the application in a single Availability Zone.

C.

Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.

D.

Deploy the application in one Amazon EC2 instance in an Auto Scaling group.

Answer: A

Reference: https://www.betsol.com/blog/how-to-make-high-availability-web-applications-on-amazon-web-services/

QUESTION NO: 528

A company is running a self-managed Oracle database directly on Amazon EC2 for its steady-state database. The company wants to reduce compute costs.

Which option should the company use to maximize savings over a 3-year term?

A.

EC2 Dedicated Instances

B.

EC2 Spot Instances

C.

EC2 Reserved Instances

D.

EC2 On-Demand Instances

Answer: C
Explanation:

QUESTION NO: 529

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 it the SIMPLEST way to provide this information?

A.

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

B.

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

C.

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

D.

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

Answer: C
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_getting-report.html

QUESTION NO: 530

What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)

A.
Volume discounts

B.
A minimal additional fee for use

C.
One bill for multiple accounts

D.
Installment payment options

E.
Custom cost and usage budget creation

Answer: C,E
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html

QUESTION NO: 531

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

Answer: B

Reference: https://aws.amazon.com/ec2/faqs/

QUESTION NO: 532

A company wants to track AWS resource configuration changes for compliance reasons.

Which AWS feature can be used to meet this requirement?

A.
AWS Cost and Usage Report

B.
AWS Organizations service control policies (SCPs)

C.
AWS Config rules

D.
VPC Flow Logs

Answer: C
Reference: https://aws.amazon.com/config/

QUESTION NO: 533

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

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

A.
Deliver the content through Amazon CloudFront.

B.
Store the content on Amazon S3 and enable S3 cross-region replication.

C.

Implement a VPN across multiple AWS Regions.

D.

Deliver the content through AWS PrivateLink.

Answer: A

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

QUESTION NO: 534

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.

Answer: D

Reference: https://kirkpatrickprice.com/blog/best-practices-for-privilege-management-in-aws/

QUESTION NO: 535

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

Answer: D
Reference: https://innovationtactics.com/amazon-business-model-amazon-web-services/

QUESTION NO: 536

A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in a various AWS accounts that it wants to interconnect.

Which AWS service or feature should the company use to help simplify management and reduce operational costs?

A.
VPC endpoint

B.
AWS Direct Connect

C.
AWS Transit Gateway

D.
VPC peering

Answer: C
Reference: https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf (9)

QUESTION NO: 537

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

A.

AWS will refund the cost difference if a customer moves to larger servers.

B.

The application can be built to scale up or down automatically as resources are needed

C.

Spot instances will automatically be used if the price is lower than on-demand instances.

D.

Amazon CloudWatch will automatically predict what resources are needed.

Answer: B
Explanation:

QUESTION NO: 538

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

A.
Security groups

B.
Network ACLs

C.
AWS WAF

D.
IAM policy

Answer: C
Reference: https://docs.aws.amazon.com/waf/latest/developerguide/classic-web-acl-sql-conditions.html

QUESTION NO: 539

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

A.
Amazon CloudFront

B.
Amazon GuardDuty

C.
Amazon Route 53

D.
AWS Trusted Advisor

Answer: C
Reference: https://aws.amazon.com/about-aws/whats-new/2013/02/11/announcing-dns-failover-for-route-53/

QUESTION NO: 540

Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities? (Choose two.)

A.
Configuring operating system firewalls

B.
Setting up access controls for data

C.
Backing up databases

D.
Configuring database user accounts

E.
Installing operating systems

Answer: C,E
Explanation:

QUESTION NO: 541

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.

Answer: C
Explanation:

QUESTION NO: 542

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.

Answer: A
Reference: https://www.ibexlabs.com/improve-operational-efficiency-via-digital-transformation-on-aws/

QUESTION NO: 543

Which AWS service automatically handles application health monitoring?

A.
Amazon API Gateway

B.
AWS Elastic Beanstalk

C.
AWS Lambda

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/elasticbeanstalk/

QUESTION NO: 544

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

A.
Creating versions of Lambda functions

B.
Maintaining server and operating systems

C.
Scaling Lambda resources according to demand

D.
Updating the Lambda runtime environment

Answer: C
Explanation:

QUESTION NO: 545

A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

A.
Amazon CloudWatch

B.
Amazon Inspector

C.
AWS Cloud Trail

D.
AWS IAM

Answer: C
Reference: https://aws.amazon.com/cloudtrail/

QUESTION NO: 546

According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

A.
Network infrastructure and virtualization of infrastructure

B.
Security of application data

C.
Guest operating systems

D.
Physical security of hardware

E.
Credentials and policies

Answer: A,D

Explanation:

QUESTION NO: 547

Which of the following services can be used to block network traffic to an instance? (Choose two.)

A.
Security groups

B.
Amazon Virtual Private Cloud (Amazon VPC) flow logs

C.
Network ACLs

D.
Amazon CloudWatch

E.
AWS CloudTrail

Answer: A,C
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/

QUESTION NO: 548

A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud.

Which AWS service should the company use?

A.
AWS Snowball

B.
AWS Global Accelerator

C.
Amazon S3 Transfer Acceleration

D.
Amazon Connect

Answer: A
Reference: https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/

QUESTION NO: 549

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

Answer: B
Reference: https://d1.awsstatic.com/whitepapers/architecture/AWS-Cost-Optimization-Pillar.pdf

QUESTION NO: 550

A company hosts images in an Amazon S3 bucket for a public-facing website that is viewed by millions of users around the globe.

Which AWS service will deliver this content with reduced latency?

A.
AWS WAF

B.

Amazon CloudWatch

C.

Amazon Cloud Front

D.

AWS CloudFormation

Answer: C

Reference: https://aws.amazon.com/getting-started/hands-on/deliver-content-faster/

QUESTION NO: 551

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.

Answer: B

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

QUESTION NO: 552

A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

A.

VPN connection

B.

Internet gateway

C.

VPC endpoint

D.

NAT gateway

Answer: C

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

QUESTION NO: 553

Which statement is true about AWS global infrastructure?

A.

Availability Zones can span multiple AWS Regions.

B.

A VPC can have different subnets in different AWS Regions.

C.

AWS Regions consist of multiple Availability Zones.

D.

A single subnet can span multiple Availability Zones.

Answer: C

Reference: https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/

QUESTION NO: 554

Which AWS service or feature provides information about ongoing or upcoming scheduled events

that can affect an AWS account?

A.
AWS Config

B.
AWS Systems Manager

C.
AWS Personal Health Dashboard

D.
AWS Trusted Advisor

Answer: C
Reference: https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/

QUESTION NO: 555

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

Answer: C
Reference: https://docs.aws.amazon.com/connect/latest/adminguide/set-up-recordings.html

QUESTION NO: 556

A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds.

Which AWS service will meet these requirements?

A.
Amazon CloudFront

B.
AWS Global Accelerator

C.
AWS Direct Connect

D.
Amazon Connect

Answer: A
Reference: https://aws.amazon.com/cloudfront/

QUESTION NO: 557

The AWS global infrastructure consists of Regions, Availability Zones, and what else?

A.
VPCs

B.
Data centers

C.
Dark fiber network links

D.
Edge locations

Answer: B
Reference: https://www.inqdo.com/aws-explained-global-infrastructure/?lang=en

QUESTION NO: 558

Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

A.
Notification setup

B.
Refresh checks

C.
AWS Support API

D.
Action links

Answer: C
Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/

QUESTION NO: 559

A company is required to store its data close to its primary users.

Which benefit of the AWS Cloud supports this requirement?

A.
Security

B.
High availability

C.
Elasticity

D.
Global footprint

Answer: D
Explanation:

QUESTION NO: 560

Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Choose two.)

A.
Hardware maintenance

B.
Power and cooling

C.
Storage costs

D.
Space for data center

E.
Network costs

Answer: B,D
Reference: https://www.slideshare.net/AmazonWebServices/optimizing-total-cost-of-ownership-for-the-aws-cloud-36852296

QUESTION NO: 561

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

A.
Group

B.
Role

C.
Policy

D.
Access key

Answer: B
Reference: https://aws.amazon.com/iam/faqs/

QUESTION NO: 562

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

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

A.
AWS Direct Connect

B.
AWS Storage Gateway

C.
CloudEndure Disaster Recovery

D.
AWS Backup

Answer: C
Reference: https://docs.aws.amazon.com/prescriptive-guidance/latest/backup-recovery/backup-recovery.pdf (35)

QUESTION NO: 563

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

A.
Availability Zones

B.

Regions

C.

Tags

D.

Resource groups

Answer: A

Reference: https://cloudacademy.com/blog/aws-global-infrastructure/

QUESTION NO: 564

A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS.

Which AWS service or feature should the officer use?

A.

Amazon VPC

B.

AWS VPN

C.

AWS Direct Connect

D.

Amazon Connect

Answer: B

Reference: https://aws.amazon.com/vpn/faqs/

QUESTION NO: 565

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

A.
AWS CLI

B.
AWS CloudFormation

C.
AWS CodeDeploy

D.
AWS Amplify

Answer: B
Reference: https://containersonaws.com/introduction/infrastructure-as-code/#:~:text=Infrastructure%20as%20code%20is%20the,as%20code%20is%20AWS%20CloudFormation.

QUESTION NO: 566

Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Choose two.)

A.
RDS backups are managed by AWS.

B.
RDS supports any relational database.

C.
RDS has no database engine licensing costs.

D.
RDS database compute capacity can be easily scaled.

E.
RDS inbound traffic control (for example, security groups) is managed by AWS.

Answer: A,D
Reference: https://www.missioncloud.com/blog/resource-the-advantages-of-running-sql-server-on-aws

QUESTION NO: 567

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

A.
Amazon Comprehend

B.
Amazon SageMaker

C.
AWS Deep Learning AMIs (DLAMI)

D.
Amazon Rekognition

Answer: A
Reference: https://aws.amazon.com/comprehend/

QUESTION NO: 568

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

Answer: A
Reference: https://www.stratoscale.com/blog/cloud/build-secure-tunnel-on-prem-data-center-amazon-cloud/#:~:text=AWS%20Direct%20Connect%20allows%20you,that%20provide%20connectivity%20to%20AWS.

QUESTION NO: 569

A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

A.
Basic

B.
Developer

C.
Business

D.
Enterprise

Answer: C
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 570

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

A.
Use a Classic Load Balancer across multiple AWS Regions.

B.
Use an Application Load Balancer across multiple Availability Zones in one AWS Region.

C.
Set up automatic scaling and load balancing with another application instance running on premises.

D.
Use the AWS Region with the highest number of Availability Zones.

Answer: B

Explanation:

QUESTION NO: 571

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

Answer: B
Reference: https://d1.awsstatic.com/whitepapers/best-practices-for-running-oracle-database-on-aws.pdf?did=wp_card&trk=wp_card (06)

QUESTION NO: 572

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

A.
AWS Support concierge

B.
AWS Customer Service

C.
AWS technical account manager

D.
AWS Business Support

Answer: B
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 573

Which AWS services help to improve application performance by reducing latency while accessing content globally? (Choose two.)

A.
Amazon CloudFront

B.
AWS VPN

C.
AWS Direct Connect

D.
AWS Global Accelerator

E.
Amazon S3 Glacier

Answer: A,D
Reference: https://aws.amazon.com/blogs/networking-and-content-delivery/achieve-up-to-60-better-performance-for-internet-traffic-with-aws-global-accelerator/

QUESTION NO: 574

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

A.
Amazon EMR

B.

Amazon DynamoDB

C.

Amazon Redshift

D.

Amazon Athena

Answer: D

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

QUESTION NO: 575

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

A.

Closing an AWS account

B.

Creating a log file

C.

Modifying IAM user permissions

D.

Deleting IAM users

Answer: A

Reference: https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html

QUESTION NO: 576

Which AWS service does AWS Snowball Edge natively support?

A.

AWS Server Migration Service (AWS SMS)

B.
Amazon Aurora

C.
AWS Trusted Advisor

D.
Amazon EC2

Answer: D
Reference: https://aws.amazon.com/blogs/storage/building-a-linux-edge-computing-solution-with-aws-snowball-edge-and-amazon-ec2/

QUESTION NO: 577

A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often.

Which Amazon S3 storage class will MINIMIZE the cost of the system?

A.
S3 Standard-Infrequent Access (S3 Standard-IA)

B.
S3 Glacier

C.
S3 Intelligent-Tiering

D.
S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: A
Reference: https://aws.amazon.com/s3/faqs/

QUESTION NO: 578

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

A.
AWS Regions

B.
Availability Zones

C.
Local Zones

D.
Edge locations

Answer: C

Reference: https://aws.amazon.com/about-aws/global-infrastructure/localzones/features/#:~:text=AWS%20Local%20Zones%20are%20a,millisecond%20latency%20to%20end-users

QUESTION NO: 579

Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

A.
AWS IQ

B.
Amazon Comprehend

C.
AWS CloudTrail

D.
Amazon CloudWatch Logs

Answer: D
Reference: https://aws.amazon.com/cloudwatch/features/

QUESTION NO: 580

A company wants durable storage for static content and infinitely scalable data storage infrastructure at the lowest cost.

Which AWS service should the company choose?

A.
Amazon Elastic Block Store (Amazon EBS)

B.
Amazon S3

C.
AWS Storage Gateway

D.
Amazon Elastic File System (Amazon EFS)

Answer: B
Reference: https://aws.amazon.com/s3/faqs/

QUESTION NO: 581

Which cloud computing advantage is a company applying when it uses AWS Regions to increase application availability to users in different countries?

A.
Pay-as-you-go pricing

B.
Capacity forecasting

C.
Economies of scale

D.
Global reach

Answer: C
Reference: https://pages.awscloud.com/rs/112-TZM-766/images/Cloud%20Economics%20Ebook_October%202018.pdf

QUESTION NO: 582

A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

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

B.
Contact the dedicated AWS Concierge Support team.

C.
Open a business-critical system down support case.

D.
Open a production system down support case.

Answer: D
Explanation:

QUESTION NO: 583

A company is looking for a way to encrypt data stored on Amazon S3.

Which AWS managed service can be used to help to accomplish this?

A.
AWS Certificate Manager (ACM)

B.
AWS Secrets Manager

C.
AWS Resource Access Manager

D.
AWS Key Management Service (AWS KMS)

Answer: D

Reference: https://www.nakivo.com/blog/amazon-s3-encryption-configuration-overview/

QUESTION NO: 584

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

A.
Spot Instances

B.
Dedicated Instances

C.
Dedicated Hosts

D.
Reserved Instances

Answer: C

Reference: https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html

QUESTION NO: 585

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

A.
By providing a consolidated view of monthly billing across multiple accounts

B.
By pooling usage across multiple accounts to achieve a pricing tier discount

C.
By automating the creation of new accounts through APIs

D.

By leveraging service control policies (SCPs) for centralized service management

Answer: A

Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/con-bill-blended-rates.html

QUESTION NO: 586

A solutions architect needs to maintain a fleet of Amazon EC2 instances so that any impaired instances are replaced with new ones.

Which AWS service should the solutions architect use?

A.

Amazon Elastic Container Service (Amazon ECS)

B.

Amazon GuardDuty

C.

AWS Shield

D.

AWS Auto Scaling

Answer: D

Reference: https://aws.amazon.com/ec2/autoscaling/faqs/

QUESTION NO: 587

An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted.

What is the MOST cost-effective Amazon EC2 pricing option for this application?

A.

Dedicated Instances

B.
Spot Instances

C.
Reserved Instances

D.
On-Demand Instances

Answer: D
Reference: https://aws.amazon.com/ec2/pricing/

QUESTION NO: 588

A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients.

Which AWS service should the company use?

A.
Amazon S3

B.
Amazon Elastic File System (Amazon EFS)

C.
Amazon Elastic Block Store (Amazon EBS)

D.
Amazon S3 Glacier

Answer: B
Reference: https://aws.amazon.com/blogs/storage/transferring-files-from-on-premises-to-aws-and-back-without-leaving-your-vpc-using-aws-datasync/

QUESTION NO: 589

An application is receiving SQL injection attacks from multiple external resources.

Which AWS service or feature can help automate mitigation against these attacks?

A.
AWS WAF

B.
Security groups

C.
Elastic Load Balancer

D.
Network ACL

Answer: A
Reference: https://docs.aws.amazon.com/waf/latest/developerguide/waf-rule-statement-type-sqli-match.html

QUESTION NO: 590

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

A.
AWS X-Ray

B.
AWS Shield

C.
AWS Trusted Advisor

D.
AWS CloudTrail

Answer: D
Reference:
https://aws.amazon.com/cloudtrail/#:~:text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure

QUESTION NO: 591

According to the AWS shared responsibility model, which task is the customer's responsibility?

A.
Maintaining the infrastructure needed to run AWS Lambda

B.
Updating the operating system of Amazon DynamoDB instances

C.
Maintaining Amazon S3 infrastructure

D.
Updating the guest operating system on Amazon EC2 instances

Answer: D
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Customers%20are%20responsible%20for%20managing,also%20extends%20to%20IT%20controls

QUESTION NO: 592

A company must process a large amount of data from social media accounts by making graphical queries with high throughput.

Which AWS service will help the company design a cloud architecture that will meet these requirements?

A.
Amazon RDS

B.
Amazon DynamoDB

C.
Amazon Neptune

D.
Amazon Redshift

Answer: C
Reference: https://aws.amazon.com/neptune/

QUESTION NO: 593

Which databases are available on Amazon RDS? (Choose two.)

A.
Sybase

B.
Microsoft SQL Server

C.
IBM Db2

D.
MongoDB

E.
PostgreSQL

Answer: D,E
Reference: https://aws.amazon.com/rds/

QUESTION NO: 594

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

Answer: C

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

QUESTION NO: 595

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

Answer: A

Reference: https://aws.amazon.com/big-data/what-is-hbase/#:~:text=HBase%20and%20Hadoop%20on%20AWS,across%20dynamically%20scalable%20EC2%20instances

QUESTION NO: 596

A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices.

Which AWS tool or resource is available to accomplish these goals?

A.

Resource tagging

B.
AWS Concierge Support team

C.
AWS Abuse team

D.
AWS Support

Answer: D
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/awsaccountbilling-aboutv2.pdf

QUESTION NO: 597

A company spends several months upgrading its on-premises infrastructure every few years. The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud.

What is the main benefit of migrating to the AWS Cloud for this use case?

A.
AWS will help move the existing hardware to the AWS data centers.

B.
The company will have increased agility with on-demand access to IT resources.

C.
Enterprise support will be available to help with recurring application installation and setup.

D.
The company will experience less downtime with Multi-AZ deployments.

Answer: B
Explanation:

QUESTION NO: 598

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

A.

AWS is responsible for both tasks.

B.

The customer is responsible for scheduling and AWS is responsible for performing backups.

C.

The customer is responsible for both tasks.

D.

AWS is responsible for scheduling and the user is responsible for performing backups.

Answer: C
Explanation:

QUESTION NO: 599

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

A.
AWS CloudTrail

B.
Amazon Inspector

C.
Amazon CloudWatch

D.
VPC Flow Logs

Answer: C
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-system-instance-status-check.html

QUESTION NO: 600

A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks.

How can this be resolved?

A.
Enable AWS Shield Advanced

B.
Create a custom IAM policy

C.
Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace

D.
Use AWS Key Management Service (AWS KMS) to create a customer-managed key

Answer: B
Explanation:

QUESTION NO: 601

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

A.
On-Demand Instances

B.
Standard Reserved Instances

C.
Spot Instances

D.
Convertible Reserved Instances

Answer: C
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-fleet.html

QUESTION NO: 602

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

A.
Securing infrastructure at data centers

B.
Maintaining firewall configurations at a hardware level

C.
Maintaining networking among hardware components

D.
Maintaining server-side encryption

Answer: D
Reference: https://www.missioncloud.com/blog/aws-security-make-sure-your-share-the-responsibility

QUESTION NO: 603

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

A.
Amazon QuickSight

B.
Amazon Athena

C.
AWS Glue

D.
AWS Elastic Beanstalk

Answer: C
Reference: https://aws.amazon.com/blogs/database/how-to-extract-transform-and-load-data-for-analytic-processing-using-aws-glue-part-2/

QUESTION NO: 604

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts.

Which AWS service should the company use to achieve this goal?

A.
Amazon Macie

B.
Amazon GuardDuty

C.
AWS Shield

D.
Amazon Detective

Answer: B
Reference: https://aws.amazon.com/guardduty/

QUESTION NO: 605

A user can optimize Amazon EC2 costs by performing which of the following tasks? (Choose two.)

A.
Implementing Auto Scaling groups to add and remove instances based on demand.

B.
Creating a policy to restrict IAM users from creating new instances.

C.
Setting a budget to limit spending on EC2 instances using AWS Budgets.

D.
Purchasing Reserved Instances.

E.
Adding EC2 instances to a second AWS Region that is geographically close to the end users.

Answer: B,C
Explanation:

QUESTION NO: 606

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

A.
Amazon VPC

B.
Elastic Load Balancer

C.
Amazon CloudFront

D.
AWS Direct Connect

E.
AWS Global Accelerator

Answer: B,D
Reference: https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/

QUESTION NO: 607

AWS Trusted Advisor can monitor and provide advice on what characteristics of an AWS account? (Choose two.)

A.
Compliance with security best practices

B.
Application performance

C.

Network utilization

D.
Cost optimization

E.
Compliance status

Answer: B,D
Reference: https://aws.amazon.com/blogs/startups/optimizing-latency-and-bandwidth-for-aws-traffic/

QUESTION NO: 608

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

A.
AWS Trusted Advisor

B.
Amazon CloudWatch

C.
VPC Flow Logs

D.
AWS CloudTrail

Answer: A
Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/

QUESTION NO: 609

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

A.

Internet gateway

B.
NAT gateway

C.
AWS WAF

D.
VPC peering

Answer: A
Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html

QUESTION NO: 610

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

A.
High availability

B.
Decoupled architecture

C.
Resilience

D.
Elasticity

Answer: D
Reference: https://wa.aws.amazon.com/wat.concept.elasticity.en.html

QUESTION NO: 611

When using Amazon RDS, what is the customer responsible for?

A.

Patching and maintenance of the underlying operating system.

B.

Managing automatic backups of the database.

C.

Controlling network access through security groups.

D.

Replacing failed instances in the event of a hardware failure.

Answer: C
Explanation:

QUESTION NO: 612

Which controls are shared under the AWS shared responsibility model? (Choose two.)

A.
Awareness and training

B.
Patching of Amazon RDS

C.
Configuration management

D.
Physical and environmental controls

E.
Service and communications protection or security

Answer: A,C
Reference: https://aws.amazon.com/compliance/shared-responsibility-
model/#:~:text=Shared%20Controls%20–%20Controls%20which%20apply,their%20use%20of%2
0AWS%20services.

QUESTION NO: 613

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

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

A.

Reduce overprovisioned instances.

B.

Rehost all third-party licenses on AWS.

C.

Implement a highly available architecture.

D.

Use managed services.

E.

Improve application security.

Answer: D,E
Explanation:

QUESTION NO: 614

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

A.
Minimize upfront design

B.
Loose coupling

C.
Disposable resources

D.
Server design and concurrency

E.
Minimal viable product

Answer: B,C

Explanation:

QUESTION NO: 615

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

Answer: B
Reference: https://aws.amazon.com/aws-cost-management/aws-cost-optimization/monitor-track-and-analyze/

QUESTION NO: 616

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

A.
Solutions architect

B.
AWS Concierge Support team

C.
An AWS Marketplace seller

D.
AWS Partner Network (APN) partner

Answer: B
Explanation:

QUESTION NO: 617

Which AWS service will track user activity on AWS?

A.
Amazon GuardDuty

B.
AWS Trusted Advisor

C.
AWS CloudTrail

D.
Amazon CloudWatch

Answer: C
Reference:
https://aws.amazon.com/cloudtrail/#:~:text=Track%20user%20activity%20and%20API%20usage&text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure.

QUESTION NO: 618

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help? (Choose two.)

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

B.

Amazon S3

C.

Amazon AppStrearn 2.0

D.

Amazon ElastiCache

E.

Amazon CloudFront

Answer: D,E

Reference: https://aws.amazon.com/blogs/database/latency-reduction-of-hybrid-architectures-with-amazon-elasticache/

QUESTION NO: 619

A company is building a business intelligence solution and wants to use dashboards for reporting purposes.

Which AWS service can be used?

A.

Amazon Redshift

B.

Amazon Elasticsearch Service (Amazon ES)

C.

Amazon QuickSight

D.

Amazon Athena

Answer: C

Reference: https://aws.amazon.com/getting-started/hands-on/create-business-intelligence-dashboards-using-amazon-quicksight/

QUESTION NO: 620

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

Which AWS service can facilitate this data transfer?

A.
Amazon S3 Glacier

B.
AWS Snowball

C.
AWS Storage Gateway

D.
Amazon Elastic File System (Amazon EFS)

Answer: B
Reference: https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/services-costs/#:~:text=Description%3A%20Snowball%20is%20a%20petabyte,transfer%20times%2C%20and%20security%20concerns

QUESTION NO: 621

A security officer wants a list of any potential vulnerabilities in Amazon EC2 security groups.

Which AWS service should the officer use?

A.
Amazon GuardDuty

B.
AWS Trusted Advisor

C.
AWS CloudTrail

D.
AWS Artifact

Answer: B
Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/

QUESTION NO: 622

A company has multiple departments. Each department uses its own AWS account.

Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

A.
Amazon Forecast

B.
AWS Budgets

C.
AWS Organizations

D.
AWS Marketplace

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

QUESTION NO: 623

A cloud practitioner needs to obtain AWS compliance reports before migrating an environment to the AWS Cloud.

How can these reports be generated?

A.
Contact the AWS Compliance team

B.

Download the reports from AWS Artifact

C.

Open a case with AWS Support

D.

Generate the reports with Amazon Macie

Answer: A
Explanation:

QUESTION NO: 624

A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS.

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

A.
AWS Device Farm

B.
AWS Fargate

C.
AWS Outposts

D.
AWS Ground Station

Answer: C
Reference: https://aws.amazon.com/outposts/

QUESTION NO: 625

Which tasks require using AWS account root user credentials? (Choose two.)

A.

Creating an Amazon EC2 key pair

B.

Removing an IAM user from the administrators group

C.

Changing the AWS Support plan

D.

Creating an Amazon CloudFront key pair

E.

Granting an IAM user full administrative access

Answer: C,E

Reference: https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html

QUESTION NO: 626

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

A.
Pay-as-you-go pricing

B.
Automation

C.
Self-maintenance of servers

D.
Agility

E.
Access to physical hosts

Answer: B,D
Explanation:

QUESTION NO: 627

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

Answer: D
Reference: https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/

QUESTION NO: 628

What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

A.
Less staff time is required to deploy new workloads.

B.
Increased time to market for new application features.

C.
Higher acquisition costs to support peak workloads.

D.
Increased productivity for application development teams.

E.
A decrease in the average server CPU utilization.

Answer: D,E

Reference: https://pages.awscloud.com/rs/112-TZM-766/images/GEN_windows-on-aws-it-staff-productivity-idc-mini-report_Sep-2019.pdf

QUESTION NO: 629

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

A.
S3 Standard-Infrequent Access (S3 Standard-IA)

B.
S3 Standard

C.
S3 Glacier

D.
S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: C

Reference: https://aws.amazon.com/s3/storage-classes/#:~:text=S3%20Glacier%20Deep%20Archive%20is,or%20twice%20in%20a%20year

QUESTION NO: 630

Which of the following technologies provides a secure network connection from on-premises to AWS?

A.
Virtual Private Network

B.
AWS Snowball

C.
Amazon Virtual Private Cloud (Amazon VPC)

D.
AWS Mobile Hub

Answer: C
Reference: https://aws.amazon.com/blogs/apn/amazon-vpc-for-on-premises-network-engineers-part-one/

QUESTION NO: 631

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

A.
Physical storage hardware

B.
Operating system administration

C.
Network infrastructure of data center

D.
Project management

E.
Database schema development

Answer: A,C
Explanation:

QUESTION NO: 632

A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.

Which EC2 instance pricing model should the company select?

A.

Reserved Instances

B.

On-Demand Instances

C.

Spot Instances

D.

Dedicated Hosts

Answer: A

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

QUESTION NO: 633

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

A.

Keep static data closer to compute resources.

B.

Provision resources for peak capacity.

C.

Design for automated recovery from failure.

D.

Use tightly coupled components.

Answer: B
Explanation:

QUESTION NO: 634

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

A.

Readily available resources with low provisioning times

B.

Scalable compute capacity

C.

Free Tier services usage

D.

Access to AWS data centers

E.

Lower resource provisioning cost

Answer: A,D

Reference: https://d1.awsstatic.com/whitepapers/aws-overview.pdf

QUESTION NO: 635

A company believes an unauthorized user copied data from an Amazon S3 bucket to their own account.

Which AWS service will record the actions taken by the user?

A.

Amazon CloudWatch

B.

AWS CloudTrail

C.

AWS Infrastructure Event Management

D.

AWS Systems Manager

Answer: B

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

QUESTION NO: 636

Which AWS service provides a simple way to set up a new multi-account AWS environment and govern it at scale?

A.
AWS Trusted Advisor

B.
AWS Security Hub

C.
AWS Control Tower

D.
AWS Resource Access Manager

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

QUESTION NO: 637

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

A.
The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies.

B.
The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.

C.
AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.

D.
The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

Answer: D

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

QUESTION NO: 638

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

A.
Users can take advantage of managed services on AWS.

B.
Users can outsource operating system patching to the AWS Support team.

C.
AWS Professional Services will upgrade instances to the latest operating system versions.

D.
Users have the ability to use license-included Amazon EC2 instances.

E.
Users can take advantage of AWS Systems Manager features.

Answer: A,E
Explanation:

QUESTION NO: 639

A user has an AWS Business Support plan and requires detailed billing information.

Which AWS resource will help?

A.
AWS Concierge Support

B.
AWS Service Catalog

C.

AWS Budgets

D.

AWS Cost and Usage Report

Answer: A

Reference: https://aws.amazon.com/premiumsupport/faqs/

QUESTION NO: 640

A company has enabled billing alerts in its AWS account and wants to receive a notification through Amazon Simple Notification Service (Amazon SNS) whenever its monthly bill exceeds a set amount.

Which AWS service or tool should the company use to achieve this?

A.

Amazon CloudWatch

B.

Cost Explorer

C.

AWS Cost and Usage Report

D.

AWS Pricing Calculator

Answer: A

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

QUESTION NO: 641

A user wants to move legacy applications to the AWS Cloud to reduce the total cost.

Which option is the MOST cost-effective according to best practices?

A.

Rewrite the legacy applications in an open-source language, such as Python.

B.

Right-size the Amazon EC2 instances to prevent over-provisioning in terms of compute and memory.

C.

Migrate relational databases to Amazon DynamoDB.

D.

Reserve a data center facility with an upfront payment, which provides an additional discount.

Answer: B
Explanation:

QUESTION NO: 642

According to the AWS shared responsibility model, which task is the responsibility of AWS for workloads running on Amazon EC2?

A.
Updating the physical hardware

B.
Updating the operating system

C.
Updating the database engine

D.
Updating the user data

Answer: A
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 643

A user needs to identify underutilized Amazon Elastic Block Store (Amazon EBS) volumes to reduce costs.

Which AWS service or feature will meet this requirement?

A.
AWS CloudTrail

B.
AWS Budgets

C.
AWS Trusted Advisor

D.
AWS Personal Health Dashboard

Answer: C
Reference: https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-storage-optimization/optimizing-amazon-ebs-storage.html

QUESTION NO: 644

Which AWS service will help a company identify the user who deleted an Amazon EC2 instance yesterday?

A.
Amazon CloudWatch

B.
AWS Trusted Advisor

C.
AWS CloudTrail

D.
Amazon Inspector

Answer: C
Reference: https://aws.amazon.com/cloudtrail/

QUESTION NO: 645

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores.

How can the company meet this requirement in the AWS Cloud?

A.
Launch an Amazon EC2 instance with default tenancy.

B.
Launch an Amazon EC2 instance on a Dedicated Host.

C.
Create an On-Demand Capacity Reservation.

D.
Purchase Dedicated Reserved Instances.

Answer: A
Reference: https://aws.amazon.com/blogs/compute/byol-and-oversubscription/

QUESTION NO: 646

A company must keep records of all resource changes that are made through the AWS Management Console and AWS APIs.

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

A.
Amazon CloudWatch

B.
AWS CloudTrail

C.
AWS X-Ray

D.

Amazon Inspector

Answer: B
Reference: https://aws.amazon.com/cloudtrail/

QUESTION NO: 647

A company requires an isolated environment within AWS for security purposes.

Which action can be taken to accomplish this?

A.
Create a separate Availability Zone to host the resources.

B.
Create a separate VPC to host the resources.

C.
Create a placement group to host the resources.

D.
Create an AWS Direct Connect connection between the company and AWS.

Answer: B
Reference: https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html

QUESTION NO: 648

A company needs to monitor and forecast AWS costs and usage. The company also must set event-driven alert notifications that occur if spending limits are exceeded.

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

A.
AWS Budgets

B.
Amazon CloudWatch

C.
AWS Config

D.
AWS Service Catalog

Answer: A
Reference: https://aws.amazon.com/aws-cost-management/aws-budgets/

QUESTION NO: 649

Which of the following is a best practice for creating policies for IAM users?

A.
Start with a large set of permissions and remove the permissions that are not required.

B.
Use only Amazon managed policies.

C.
Start with a minimum set of permissions and grant additional permissions as necessary.

D.
Attach policies directly to each user individually.

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

QUESTION NO: 650

A user with an AWS Basic Support plan has determined that illegal activities are being run on their AWS resources

What is the recommended method for the user to report the activity to AWS?

A.

Contact the AWS Concierge Support team.

B.

Contact an AWS technical account manager.

C.

Contact the AWS Abuse team.

D.

Contact the AWS Support team.

Answer: C
Explanation:

QUESTION NO: 651

AWS can relieve a company's IT staff of which of the following IT tasks? (Choose two.)

A.
Patching database software

B.
Storage capacity planning

C.
Creating database schemas

D.
Setting up access controls for data

E.
Writing application code

Answer: A,C
Explanation:

QUESTION NO: 652

A company's security team requires that all Amazon EC2 workloads use approved Amazon

Machine Images (AMIs).

Which AWS service should the company use to verify that the EC2 instances are using approved AMIs?

A.
Amazon CloudWatch

B.
Amazon Inspector

C.
AWS Config

D.
AWS Trusted Advisor

Answer: C
Reference: https://aws.amazon.com/blogs/devops/aws-config-checking-for-compliance-with-new-managed-rule-options/

QUESTION NO: 653

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

A.
100% fault tolerance

B.
Total control over underlying infrastructure

C.
Fast provisioning of IT resources

D.
Outsourcing all application coding to AWS

E.
Ability to go global quickly

Answer: C,E

Explanation:

QUESTION NO: 654

Which of the following security-related aspects of running an Amazon Elastic Compute Cloud (Amazon EC2) instance is the responsibility of AWS?

A.
Security of private keys

B.
Hypervisor software updates

C.
Security updates to software running on the instance

D.
Policies controlling instance access

Answer: B
Explanation:

QUESTION NO: 655

Which AWS service aggregates, organizes, and prioritizes security alerts and findings from multiple AWS services?

A.
Amazon Detective

B.
Amazon Inspector

C.
Amazon Macie

D.
AWS Security Hub

Answer: D

Reference: https://aws.amazon.com/security-hub/?aws-security-hub-blogs.sort-by=item.additionalFields.createdDate&aws-security-hub-blogs.sort-order=desc

QUESTION NO: 656

A developer has an AWS account and needs access to another account's test database.

Which AWS service or feature can the developer use to gain access to the test database?

A.
Amazon Macie

B.
Security groups

C.
IAM roles

D.
AWS Trusted Advisor

Answer: C
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_cross-account-with-roles.html

QUESTION NO: 657

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

A.
a loosely coupled architecture.

B.
a tightly coupled architecture.

C.
a stateless architecture.

D.

a stateful architecture.

Answer: A

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

QUESTION NO: 658

Which service enables customers to audit API calls in their AWS accounts?

A.

AWS CloudTrail

B.

AWS Trusted Advisor

C.

Amazon Inspector

D.

AWS X-Ray

Answer: A

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

QUESTION NO: 659

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

A.

Security groups

B.

Network ACLs

C.

NAT gateways

D.

Route tables

Answer: A

Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html

QUESTION NO: 660

Which benefit is available for Convertible Reserved Instances but NOT Standard Reserved Instances?

A.

The instances can be exchanged for instances of a different instance size.

B.

The instances can be exchanged for instances of a different instance family.

C.

The instances can be changed to a different Availability Zone.

D.

The instances can be changed to a different AWS Region.

Answer: C

Reference: https://aws.amazon.com/about-aws/whats-new/2016/09/amazon-ec2-convertible-reserved-instances-and-the-reserved-instance-regional-benefit/

QUESTION NO: 661

Which of the following enables users to leverage the power of AWS services programmatically?

A.

AWS Command Line Interface (AWS CLI)

B.

AWS Trusted Advisor

C.
AWS CodeDeploy

D.
AWS Management Console

Answer: D
Reference: https://aws.amazon.com/blogs/aws/category/aws-management-console/

QUESTION NO: 662

Which security credentials are required to run commands by using the AWS Command Line Interface (AWS CLI)?

A.
Access Key ID and Secret Access Key

B.
AWS root user email and password

C.
Amazon Elastic Compute Cloud (Amazon EC2) key pairs

D.
AWS Identity and Access Management (IAM) user name and password

Answer: A
Reference: https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html

QUESTION NO: 663

Which are customer responsibilities when using Amazon EC2? (Choose two.)

A.
Underlying hardware maintenance

B.
File-system-level encryption

C.

Guest operating system firewall configuration

D.

Hypervisor-level software patching

E.

Physical security at data center facilities

Answer: B,C

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

QUESTION NO: 664

A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application.

Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

A.

AWS CodeDeploy

B.

AWS Resource Access Manager

C.

AWS Elastic Beanstalk

D.

AWS CloudFormation

Answer: C

Reference: https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html

QUESTION NO: 665

A company wants to route its traffic directly and privately to a VPC without going over the public

internet.

Which connectivity option provides this capability?

A.
AWS VPN

B.
AWS Direct Connect

C.
VPC NAT gateway

D.
VPC internet gateway

Answer: D
Reference: https://aws.amazon.com/vpc/faqs/

QUESTION NO: 666

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

According to the AWS Well-Architected Framework, what design principles should be implemented? (Choose two.)

A.
Consolidate multiple AWS accounts into a single account.

B.
Buy and host hardware in the AWS Cloud.

C.
Decouple the AWS Cloud architecture to break up monolithic deployments.

D.
Move on-premises network hardware to VPCs.

E.
Design elasticity into the AWS Cloud design.

Answer: D,E

Explanation:

QUESTION NO: 667

A company wants to forecast its AWS Cloud costs for the upcoming year by analyzing its past AWS Cloud spending trends.

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

A.
AWS Control Tower

B.
Cost Explorer

C.
AWS OpsWorks

D.
AWS CloudFormation

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

QUESTION NO: 668

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

Answer: C

Reference: https://d1.awsstatic.com/product-marketing/S3/Amazon_S3_Security_eBook_2020.pdf

QUESTION NO: 669

A company's newly launched application is gaining in popularity very quickly. To improve customer service, the company wants to set up a phone number to manage the increasing volume of calls received by the company's support staff.

Which AWS service should be used to meet this requirement?

A.
Amazon Connect

B.
Amazon CloudFront

C.
Amazon DirectConnect

D.
AWS Trusted Advisor

Answer: A

Reference: https://docs.aws.amazon.com/connect/latest/adminguide/contact-center-phone-number.html

QUESTION NO: 670

Which credentials used to sign in to the AWS Management Console meet security best practices? (Choose two.)

A.
An access key

B.

Multi-factor authentication

C.

X.509 certificates

D.

A secret key

E.

User name and password

Answer: B,E

Reference: https://aws.amazon.com/blogs/security/getting-started-follow-security-best-practices-as-you-configure-your-aws-resources/

QUESTION NO: 671

Which of the following are ways to improve security on AWS? (Choose two.)

A.

Using AWS Artifact

B.

Granting the broadest permissions to all IAM roles

C.

Running application code with AWS Cloud9

D.

Enabling multi-factor authentication (MFA) with Amazon Cognito

E.

Using AWS Trusted Advisor security checks

Answer: D,E

Reference: https://aws.amazon.com/blogs/security/top-10-security-items-to-improve-in-your-aws-account/

QUESTION NO: 672

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

A.
AWS Direct Connect

B.
AWS Storage Gateway

C.
Amazon S3

D.
AWS Snowball Edge

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

QUESTION NO: 673

An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season.

Which advantages of moving to the AWS Cloud would MOST benefit the company? (Choose two.)

A.
Global footprint

B.
Elasticity

C.
AWS service quotas

D.
AWS shared responsibility model

E.
Pay-as-you-go pricing

Answer: B,E
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html

QUESTION NO: 674

A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers.

How can the company meet this requirement?

A.
Place the EC2 instances in two separate AWS Regions connected with a VPC peering connection.

B.
Place the EC2 instances in two separate Availability Zones within the same AWS Region.

C.
Place one EC2 instance on premises and the other in an AWS Region. Then connect them by using an AWS VPN connection.

D.
Place both EC2 instances in a placement group for dedicated bandwidth.

Answer: D
Explanation:

QUESTION NO: 675

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

A.
AWS Snowmobile

B.
AWS Local Zones

C.

AWS Outposts

D.

AWS Fargate

Answer: C

Reference: https://aws.amazon.com/outposts/

QUESTION NO: 676

A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources.

Which advantage of the AWS Cloud matches the company's requirements?

A.

Reliability

B.

Global reach

C.

Economies of scale

D.

Pay-as-you-go pricing

Answer: A

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

QUESTION NO: 677

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

Answer: C
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html

QUESTION NO: 678

A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration.

Which AWS service supports this use case?

A.
Amazon EC2

B.
Amazon Lightsail

C.
Amazon S3

D.
AWS Lambda

Answer: C
Reference: https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/migrate-small-sets-of-data-from-on-premises-to-amazon-s3-using-aws-sftp.html

QUESTION NO: 679

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

A.
AWS Billing Management Console

B.
AWS Organizations

C.
AWS Cost and Usage Report

D.
WAS Systems Manager

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

QUESTION NO: 680

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

A.
Amazon GuardDuty

B.
AWS Shield

C.
AWS Security Hub

D.
AWS Key Management Service (AWS KMS)

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

QUESTION NO: 681

What is an IAM best practice for AWS account root user access keys?

A.
Delete all root user access keys, if possible.

B.
Use root user credentials to access sensitive information stored on AWS.

C.
Allow the system administrator group to use the root user credentials for daily access.

D.
Use root user credentials to access production database instances.

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

QUESTION NO: 682

A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.

Which AWS services or resources should the company use? (Choose two.)

A.
Amazon Pinpoint

B.
Amazon WorkLink

C.
AWS Outposts

D.
AWS Snowball Edge

E.

AWS AppSync

Answer: B,C
Reference: https://aws.amazon.com/worklink/

https://aws.amazon.com/outposts/

QUESTION NO: 683

Elasticity in the AWS Cloud refers to which of the following? (Choose two.)

A.
How quickly an Amazon EC2 instance can be restarted

B.
The ability to rightsize resources as demand shifts

C.
The maximum amount of RAM an Amazon EC2 instance can use

D.
The pay-as-you-go billing model

E.
How easily resources can be produced when they are needed

Answer: B,E
Reference: https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability

QUESTION NO: 684

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

Where can the company purchase the security solution?

A.
AWS Partner Solutions Finder

B.

AWS Support Center

C.

AWS Management Console

D.

AWS Marketplace

Answer: D
Reference: https://aws.amazon.com/marketplace

QUESTION NO: 685

A company needs to improve the response rate of high-volume queries to its relational database.

Which AWS service should the company use to offload requests to the database and improve overall response times?

A.
Amazon DynamoDB Accelerator (DAX)

B.
Amazon ElastiCache

C.
Elastic Load Balancing

D.
AWS Global Accelerator

Answer: A
Explanation:

QUESTION NO: 686

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

A.
AWS VPN

B.
Elastic Load Balancing

C.
AWS Direct Connect

D.
VPC peering

E.
Amazon CloudFront

Answer: A,D
Reference: https://aws.amazon.com/vpn/faqs/

QUESTION NO: 687

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

Answer: D
Reference: https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf (24)

QUESTION NO: 688

An IT department provisions more servers than are needed to run a workload.

Which cloud architecture design principle supports changing this approach?

A.
Protect data in transit and at rest.

B.
Stop guessing capacity.

C.
Improve through game days.

D.
Annotate documentation.

Answer: B
Explanation:

QUESTION NO: 689

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

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

A.
Cost Explorer

B.
Amazon QuickSight

C.
AWS Pricing Calculator

D.
AWS Budgets

Answer: C
Reference: https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf

QUESTION NO: 690

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

A.
AWS Direct Connect

B.
Amazon Lightsail

C.
Amazon Simple Queue Service (Amazon SQS)

D.
Amazon CloudWatch

Answer: C
Explanation:

QUESTION NO: 691

A company has defined the AWS resources that it needs for a new application. The company needs to estimate the costs of running the application on AWS.

What should the company do to meet this requirement?

A.
Take advantage of AWS on-demand pricing.

B.
Use the AWS Pricing Calculator to generate an approximate dollar amount.

C.
Use Amazon QuickSight to analyze current on-premises spending.

D.
Use Amazon AppStream 2.0 for real-time pricing analytics.

Answer: B

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

QUESTION NO: 692

A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.

Which AWS architectural approach will MOST effectively support these requirements?

A.
Single-Region, Multi-AZ architecture

B.
Multi-Region, active-active architecture

C.
Multi-Region, active-passive architecture

D.
Single-Region, Single-AZ architecture

Answer: B
Explanation:

QUESTION NO: 693

Which AWS service or feature for technical assistance is available to a user who has the AWS Basic Support plan?

A.
AWS senior support engineers

B.
AWS technical account manager (TAM)

C.
AWS Trusted Advisor

D.
AWS Discussion Forums

Answer: A
Explanation:

QUESTION NO: 694

A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

A.
Amazon S3 Glacier

B.
AWS Storage Gateway

C.
AWS Backup

D.
Amazon Elastic File System (Amazon EFS)

Answer: B
Reference: https://aws.amazon.com/storagegateway/faqs/

QUESTION NO: 695

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)

Answer: B
Reference: https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html

QUESTION NO: 696

Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

A.
Patch management controls

B.
Awareness and training controls

C.
Physical and environmental controls

D.
Configuration management controls

Answer: C
Reference: https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/shared-responsibility.html

QUESTION NO: 697

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

A.
Lifecycle policy

B.
Object versioning

C.

Server-side encryption

D.

Bucket ACL

Answer: B

Reference: https://medium.com/tensult/how-to-protect-objects-from-accidental-deletion-and-overwrite-using-s3-object-versioning-5222796ab156

QUESTION NO: 698

Which of the following are AWS security best practices for using AWS Identity and Access Management (IAM) to manage an AWS account root user? (Choose two.)

A.

Set up multi-factor authentication (MFA) for the root user.

B.

Remove all IAM policies from the root user.

C.

Delete the root user access keys.

D.

Use the root user for daily tasks.

E.

Assign a read-only access policy to the root user.

Answer: A,E

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

QUESTION NO: 699

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

A.
Availability Zones

B.
AWS Regions

C.
AWS Organizations

D.
Edge locations

Answer: C
Reference:
https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html

QUESTION NO: 700

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

Answer: A
Explanation:

QUESTION NO: 701

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

A.
Operational excellence

B.
Performance efficiency

C.
Reliability

D.
Security

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

QUESTION NO: 702

A company runs its business-critical web application on Amazon Elastic Container Service (Amazon ECS) and Amazon DynamoDB. The workload spikes up to 10 times the normal workload multiple times during the day.

Which AWS Cloud feature enables the company to meet these changes in demand?

A.
Agility

B.
Global reach

C.
Scalability

D.
Security

Answer: C
Reference: https://aws.amazon.com/autoscaling/

QUESTION NO: 703

A company's traffic logs show that IP addresses owned by AWS are being used in an attempt to flood ports on system resources.

To whom should the cloud practitioner report this issue?

A.
AWS Professional Services

B.
AWS Abuse team

C.
AWS Partner Network (APN)

D.
AWS technical account manager (TAM)

Answer: B
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/

QUESTION NO: 704

An Amazon EC2 instance previously used for development is inaccessible and no longer appears in the AWS Management Console.

Which AWS service should be used to determine what action made this EC2 instance inaccessible?

A.
Amazon CloudWatch Logs

B.
AWS Security Hub

C.
Amazon Inspector

D.
AWS CloudTrail

Answer: D
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting-launch.html

QUESTION NO: 705

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

A.
Amazon VPC

B.
Amazon CloudFront

C.
Amazon Route 53

D.
Amazon Connect

Answer: C
Reference: https://aws.amazon.com/route53/

QUESTION NO: 706

A company is moving its office and must establish an encrypted connection to AWS.

Which AWS service will help meet this requirement?

A.
AWS VPN

B.
Amazon Route 53

C.

Amazon API Gateway

D.
Amazon Connect

Answer: A
Reference: https://aws.amazon.com/vpn/

QUESTION NO: 707

Which statement explains the benefit of agility in the AWS Cloud?

A.
Agility gives users the ability to host applications in multiple AWS Regions around the world.

B.
Agility gives users the ability to pay upfront to reduce cost.

C.
Agility provides customizable physical hardware at the lowest possible cost.

D.
Agility provides the means for users to provision resources in minutes.

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

QUESTION NO: 708

Which of the following are user authentication services managed by AWS? (Choose two.)

A.
Amazon Cognito

B.
AWS Lambda

C.

AWS License Manager

D.

AWS Identity and Access Management (IAM)

E.

AWS CodeStar

Answer: A,D

Reference: https://aws.amazon.com/cognito/

https://docs.aws.amazon.com/IAM/latest/UserGuide/id_users.html

QUESTION NO: 709

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

A.

Cost Explorer

B.

AWS Budgets

C.

AWS Organizations

D.

AWS Trusted Advisor

Answer: D

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

QUESTION NO: 710

Which of the following are customer responsibilities under the AWS shared responsibility model? (Choose two.)

A.

Physical security of AWS facilities

B.

Configuration of security groups

C.

Encryption of customer data on AWS

D.

Management of AWS Lambda infrastructure

E.

Management of network throughput of each AWS Region

Answer: D,E
Explanation:

QUESTION NO: 711

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

A.

A DDoS attack is being made on an AWS resource.

B.

A SQL injection attack is being made from an IP address that is not an AWS address.

C.

AWS resources are being used to host objectionable or illegal content.

D.

A company's resources are being used in a way that is inconsistent with corporate policy.

E.

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

Answer: A,C
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/report-aws-abuse/

QUESTION NO: 712

A company uses Amazon DynamoDB in its AWS Cloud architecture.

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

A.
Operating system patching and upgrades

B.
Application of appropriate permissions with IAM tools

C.
Configuration of data encryption options

D.
Creation of DynamoDB endpoints

E.
Infrastructure provisioning and maintenance

Answer: B,D
Explanation:

QUESTION NO: 713

What should a user do to deploy an application in geographically separate locations?

A.
Deploy the application in different placement groups.

B.
Deploy the application to a VPC.

C.
Deploy the application to multiple AWS Regions.

D.
Deploy the application by using Amazon CloudFront.

Answer: C
Reference: https://aws.amazon.com/about-aws/global-infrastructure/regions_az/

QUESTION NO: 714

A company wants to rightsize its infrastructure to control costs.

At which points should the company rightsize? (Choose two.)

A.
Rightsize before a migration occurs to the cloud.

B.
Rightsize continuously after the cloud onboarding process.

C.
Rightsize when AWS Support calls and explains that rightsizing is needed.

D.
Rightsize when seasonal workloads are at their peak.

E.
Rightsize after purchasing all Reserved Instances.

Answer: D,E
Reference: https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/tips-for-right-sizing-your-workloads.html

QUESTION NO: 715

Which tasks should a user perform if the user suspects that an AWS account has been compromised? (Choose two.)

A.
Remove any multi-factor authentication (MFA) tokens.

B.
Rotate and delete all AWS access keys.

C.
Move resources to a different AWS Region.

D.

Delete AWS CloudTrail resources.

E.
Contact AWS Support.

Answer: B,E
Explanation:

QUESTION NO: 716

A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speed.

Which AWS service meets these requirements?

A.
Amazon CloudFront

B.
Elastic Load Balancing

C.
Amazon S3

D.
Amazon Elastic Transcoder

Answer: A
Reference: https://aws.amazon.com/cloudfront/

QUESTION NO: 717

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

A.
Agility

B.
Elasticity

C.
Scalability

D.
High availability

Answer: D
Explanation:

QUESTION NO: 718

A company is moving its development and test environments to AWS to increase agility and reduce cost. Because these are not production workloads and the servers are not fully utilized, occasional unavailability is acceptable.

What is the MOST cost-effective Amazon EC2 pricing model that will meet these requirements?

A.
Reserved Instances

B.
On-Demand Instances

C.
Spot Instances

D.
Dedicated Instances

Answer: C
Explanation:

QUESTION NO: 719

Which guidelines are key AWS architectural design principles? (Choose two.)

A.

Design for fixed resources.

B.

Build scalable architectures.

C.

Use tightly coupled components.

D.

Use managed services when possible.

E.

Design for human interaction

Answer: B,D

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

QUESTION NO: 720

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

Answer: D

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

QUESTION NO: 721

A company with AWS Enterprise Support has questions about its consolidated bill.

Which AWS service, feature, or tool should the company use for assistance?

A.
AWS Pricing Calculator

B.
AWS Concierge Support

C.
AWS Trusted Advisor

D.
AWS Budgets

Answer: B
Reference: https://aws.amazon.com/premiumsupport/faqs/

QUESTION NO: 722

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

Which AWS service will meet these requirements?

A.
AWS Snowball

B.
AWS Direct Connect

C.
AWS Storage Gateway

D.
Amazon S3 Transfer Acceleration

Answer: A
Explanation:

Snowball is better for 40TB transfer. It will make transfer while keeping the costs at minimum. With 100 mbps, it will be quick.

QUESTION NO: 723

A company uses Amazon S3 buckets. One of the company's departments enabled S3 Cross-Region Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual.

Which AWS service or feature can the company use to confirm that the cost increase was caused by the data replication?

A.
Consolidated billing

B.
Cost Explorer

C.
AWS Pricing Calculator

D.
AWS Trusted Advisor

Answer: B
Reference: https://aws.amazon.com/aws-cost-management/aws-cost-explorer/

QUESTION NO: 724

A company wants to store data with high availability, encrypt the data at rest, and have direct access to the data over the internet.

Which AWS service will meet these requirements MOST cost-effectively?

A.
Amazon Elastic Block Store (Amazon EBS)

B.

Amazon S3

C.
Amazon Elastic File System (Amazon EFS)

D.
AWS Storage Gateway

Answer: B
Explanation:

You can encrypt data using any encryption method you want, and then upload the encrypted data using the Amazon Simple Storage Service (Amazon S3) APIs. Most common application languages include cryptographic libraries that allow you to perform encryption in your applications. Two commonly available open source tools are Bouncy Castle and OpenSSL. Once you have encrypted an object and safely stored the key in your KMI, the encrypted object can be uploaded to Amazon S3 directly with a PUT request.

Reference: https://d0.awsstatic.com/whitepapers/aws-securing-data-at-rest-with-encryption.pdf

QUESTION NO: 725

How do AWS users trade infrastructure expenses for operational expenses?

A.
Secure their physical infrastructure to prevent malicious attacks.

B.
Use AWS Budgets to ensure that spending on AWS resources does not exceed preset thresholds.

C.
Eliminate the electricity costs that are associated with the hosting of physical servers.

D.
Use AWS Auto Scaling to dynamically increase and decrease compute resources as needed.

Answer: D
Explanation:

The service provides a simple, powerful user interface that lets you build scaling plans for resources including Amazon EC2 instances and Spot Fleets, Amazon ECS tasks, Amazon DynamoDB tables and indexes, and Amazon Aurora Replicas.

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

QUESTION NO: 726

A network engineer needs to establish a dedicated 10 Gbps network connection from an on-premises environment to AWS.

Which AWS service or feature should the engineer use?

A.
Amazon Route 53

B.
AWS Direct Connect

C.
AWS PrivateLink

D.
AWS VPN

Answer: B
Explanation:

AWS Direct Connect can create a dedicated network connection between your premises and AWS.

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

QUESTION NO: 727

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

A.
AWS Support

B.

AWS Marketplace

C.
Amazon EC2 private Amazon Machine Images (AMIs)

D.
AWS reseller programs

Answer: B
Explanation:

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

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

QUESTION NO: 728

A company has a Java web application. The company wants to use auto deployment to create the AWS environment and deploy new versions of its application.

Which AWS service will meet these requirements?

A.
AWS Auto Scaling

B.
AWS Elastic Beanstalk

C.
AWS Control Tower

D.
Amazon EC2

Answer: B
Explanation:

You can simply upload your code and Elastic Beanstalk automatically handles the deployment.

Reference: https://aws.amazon.com/elasticbeanstalk/

QUESTION NO: 729

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

A.
Running Amazon GuardDuty

B.
Using AWS Artifact

C.
Creating an AWS Support ticket

D.
Evaluating AWS CloudTrail logs

Answer: B
Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to AWS' security and compliance reports and select online agreements.

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

QUESTION NO: 730

A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases.

Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

A.
Elastic Load Balancing

B.
Amazon EC2 Auto Scaling

C.

AWS App2Container (A2C)

D.

AWS Systems Manager

Answer: A

Explanation:

Elastic Load Balancing automatically distributes your incoming application traffic across all the EC2 instances that you are running. Elastic Load Balancing helps to manage incoming requests by optimally routing traffic so that no one instance is overwhelmed.

Reference: https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html

QUESTION NO: 731

A company has infrastructure in one AWS Region and is expanding operations to a second AWS Region. The company is using the same AWS CloudFormation template in the second Region that the company uses in the original Region. The company attempts to launch Amazon EC2 On-Demand Instances in the second Region and receives error messages.

What could cause these error messages?

A.

A new EC2 key pair has not been created for the EC2 instances.

B.

The requested EC2 instance types are not available in the second Region.

C.

The company cannot operate in a second Region until it updates its AWS contract.

D.

The company has not configured AWS Budgets to monitor the budget for the EC2 instances.

Answer: A

Explanation:

The key pair <key pair associated with your EC2 instance> does not exist. Launching EC2 instance failed.

Reference: https://docs.aws.amazon.com/autoscaling/ec2/userguide/ts-as-instancelaunchfailure.html

QUESTION NO: 732

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

A.
AWS CLI

B.
AWS Developer Center

C.
AWS Cloud Development Kit (AWS CDK)

D.
AWS CodeStar

Answer: C
Explanation:

The AWS Cloud Development Kit (AWS CDK) is an open source software development framework to define your cloud application resources using familiar programming languages.

Provisioning cloud applications can be a challenging process that requires you to perform manual actions, write custom scripts, maintain templates, or learn domain-specific languages. AWS CDK uses the familiarity and expressive power of programming languages for modeling your applications. It provides you with high-level components called constructs that preconfigure cloud resources with proven defaults, so you can build cloud applications without needing to be an expert. AWS CDK provisions your resources in a safe, repeatable manner through AWS CloudFormation.

Reference: https://aws.amazon.com/cdk/

QUESTION NO: 733

Which options are available to a user who wants to contact AWS Support? (Choose two.)

A.
Create an email case in the AWS Support Center.

B.
Visit a local AWS Support Center.

C.
Use live chat functionality.

D.
Call the customer service phone number.

E.
Use the video conference functionality of the AWS Support console.

Answer: C,D
Explanation:

If you select Chat, you can chat online with a representative from AWS Support.

If you select Phone, you're prompted for a callback number. You receive a call from AWS Support as soon as you create the case.

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

QUESTION NO: 734

A global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS Region that is closest to the user.

What should the company do to meet these data storage requirements with the LEAST amount of operational overhead?

A.
Use Amazon EC2 in multiple Regions to host separate databases.

B.
Use Amazon RDS cross-Region replication.

C.

Use Amazon DynamoDB global tables.

D.

Use AWS Database Migration Service (AWS DMS).

Answer: C

Explanation:

Hundreds of thousands of AWS customers have chosen DynamoDB as their key-value and document database for mobile, web, gaming, ad tech, IoT, and other applications that need low-latency data access at any scale. Create a new table for your application and let DynamoDB handle the rest.

Reference: https://aws.amazon.com/dynamodb/ s

QUESTION NO: 735

A company plans to store sensitive data in an Amazon S3 bucket.

Which task is the responsibility of AWS?

A.

Activate encryption at rest for the data.

B.

Provide security for the physical infrastructure.

C.

Train the company's employees about cloud security.

D.

Remove personally identifiable information (PII) from the data.

Answer: A

Explanation:

Amazon S3 can often house sensitive and confidential information. To help secure your data within Amazon S3, you should be using AWS Key Management Service (AWS KMS) with server-side encryption at rest for Amazon S3. It is also important that you secure the S3 buckets so that you only allow access to the developers and users who require that access.

Reference: https://aws.amazon.com/blogs/security/strengthen-the-security-of-sensitive-data-stored-in-amazon-s3-by-using-additional-aws-services/

QUESTION NO: 736

A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet.

Which AWS service or feature can the company use to meet these requirements?

A.
Network ACL

B.
AWS WAF

C.
Route table

D.
Security group

Answer: D
Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html

QUESTION NO: 737

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

A.
Operational excellence

B.
Cost optimization

C.
Security

D.
Well-Architected Framework

E.
Rightsizing

Answer: B,C
Explanation:

AWS Trusted Advisor

Reduce costs, improve performance, improve security

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

QUESTION NO: 738

Which of the following is entirely the responsibility of AWS, according to the AWS shared responsibility model?

A.
Patching of the guest operating system

B.
Security awareness and training

C.
Physical and environmental controls

D.
Development of an IAM password policy

Answer: C
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=AWS%20responsibility%20%E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services.

QUESTION NO: 739

Which AWS service can be used to decouple applications?

A.
AWS Config

B.
Amazon Simple Queue Service (Amazon SQS)

C.
AWS Batch

D.
Amazon Simple Email Service (Amazon SES)

Answer: B
Explanation:

QUESTION NO: 740

A financial services company wants to ensure that its AWS account activity is logged to meet regulatory requirements for logging, auditing, and governance.

Which AWS service meets these requirements?

A.
AWS CloudTrail

B.
AWS Trusted Advisor

C.
AWS Config

D.
Amazon CloudWatch

Answer: A
Reference: https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html

QUESTION NO: 741

A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances.

Which pillar of the AWS Well-Architected Framework does this action cover?

A.
Security

B.
Performance efficiency

C.
Operational excellence

D.
Reliability

Answer: D
Reference: https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf

QUESTION NO: 742

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using the only AWS services that replicates data across multiple Availability Zones.

Which AWS services should the company use to meet this requirement? (Choose two.)

A.
Amazon EC2

B.
Amazon Elastic Block Store (Amazon EBS)

C.
Amazon Aurora

D.
Amazon DynamoDB

E.
Amazon Redshift

Answer: C,D
Reference: https://aws.amazon.com/rds/features/multi-
az/#:~:text=Amazon%20Aurora%20further%20extends%20the,ways%2C%20across%20three%2
0Availability%20Zones

QUESTION NO: 743

Which AWS service uses edge locations?

A.
Amazon Aurora

B.
AWS Global Accelerator

C.
Amazon Connect

D.
AWS Outposts

Answer: B
Reference: https://aws.amazon.com/global-accelerator/

QUESTION NO: 744

A company wants to deploy some of its resources in the AWS Cloud. To meet regulatory requirements, the data must remain local and on premises. There must be low latency between AWS and the company resources.

Which AWS service or feature can be used to meet these requirements?

A.

AWS Local Zones

B.
Availability Zones

C.
AWS Outposts

D.
AWS Wavelength Zones

Answer: C
Reference: https://d1.awsstatic.com/whitepapers/hybrid-cloud-with-aws.pdf (18)

QUESTION NO: 745

What is the LEAST expensive AWS Support plan that provides a designated AWS technical account manager (TAM)?

A.
AWS Developer Support

B.
AWS Enterprise Support

C.
AWS Basic Support

D.
AWS Business Support

Answer: B
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 746

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

A.
IAM policies

B.
Server-side encryption

C.
Amazon GuardDuty

D.
Client-side encryption

Answer: A
Reference: https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/protecting-data-at-rest.html

QUESTION NO: 747

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application.

What can the company do to meet this requirement?

A.
Set up invoiced billing.

B.
Use AWS Artifact.

C.
Set the budgets in Cost Explorer.

D.
Create cost allocation tags.

Answer: D
Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html

QUESTION NO: 748

A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon WorkSpaces to host its internal web portal and virtual desktops for employees.

What should the company do to minimize latency and ensure the best possible performance for employees?

A.
Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2.

B.
Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and eu-west-2.

C.
Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only.

D.
Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2.

Answer: B
Explanation:

QUESTION NO: 749

A company is considering a move to the AWS Cloud. The company wants to be able to scale its compute resources as needed to accommodate changing loads.

Which benefit of the AWS Cloud does this scenario describe?

A.
Global deployments in minutes

B.
Cost savings

C.
Agility

D.
Elasticity

Answer: D
Explanation:

QUESTION NO: 750

A company runs its workloads on premises. The company wants to forecast the cost of running a large application on AWS.

Which AWS service or tool can the company use to obtain this information?

A.
AWS Pricing Calculator

B.
AWS Budgets

C.
AWS Trusted Advisor

D.
Cost Explorer

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

QUESTION NO: 751

A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections.

Which AWS services can the company use to meet these requirements? (Choose two.)

A.
Amazon Connect

B.

Amazon AppStream 2.0

C.

Amazon WorkSpaces

D.

AWS Site-to-Site VPN

E.

Amazon Elastic Container Service (Amazon ECS)

Answer: C,D

Reference: https://aws.amazon.com/workspaces/?workspaces-blogs.sort-by=item.additionalFields.createdDate&workspaces-blogs.sort-order=desc

QUESTION NO: 752

Which of the following is a managed AWS service that is used specifically for extract, transform, and load (ETL) data?

A.

Amazon Athena

B.

AWS Glue

C.

Amazon S3

D.

AWS Snowball Edge

Answer: B

Reference: https://docs.aws.amazon.com/glue/latest/dg/what-is-glue.html

QUESTION NO: 753

Which AWS service is always free of charge for users?

A.

Amazon S3

B.

Amazon Aurora

C.

Amazon EC2

D.

AWS Identity and Access Management (IAM)

Answer: C

Reference: https://aws.amazon.com/free/free-tier-faqs/

QUESTION NO: 754

Which AWS services can be used to store files? (Choose two.)

A.

Amazon S3

B.

AWS Lambda

C.

Amazon Elastic Block Store (Amazon EBS)

D.

Amazon SageMaker

E.

AWS Storage Gateway

Answer: A,C,E

Reference: https://intellipaat.com/community/58120/which-aws-services-can-be-used-to-store-files

QUESTION NO: 755

How does consolidated billing help reduce costs for a company that has multiple AWS accounts?

A.

It aggregates usage across accounts so that the company can reach volume discount thresholds sooner.

B.

It offers an additional 5% discount on purchases of AII Upfront Reserved Instances.

C.

It provides a simplified billing invoice that the company can process more quickly than a standard invoice.

D.

It gives AWS resellers the ability to bill their customers for usage.

Answer: A

Reference: https://docs.amazonaws.cn/en_us/awsaccountbilling/latest/aboutv2/consolidated-billing.html

QUESTION NO: 756

Which AWS service or feature can be used to find availability status information on all AWS services?

A.

AWS Personal Health Dashboard

B.

AWS CloudTrail

C.

AWS Service Health Dashboard

D.

Amazon CloudWatch

Answer: C

Reference: https://status.aws.amazon.com/

QUESTION NO: 757

Which AWS service or feature provides users with recommendations for common billing questions?

A.
AWS Marketplace

B.
AWS Knowledge Center

C.
Amazon Pinpoint

D.
Amazon Connect

Answer: B
Explanation:

QUESTION NO: 758

A company wants to distribute its incoming traffic across multiple Amazon EC2 instances.

Which AWS service or feature should be used to meet this requirement?

A.
Amazon Virtual Private Cloud (Amazon VPC)

B.
AWS Application Load Balancer

C.
AWS Managed VPN

D.
AWS Direct Connect

Answer: B
Reference: https://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html

QUESTION NO: 759

Which disaster recovery option is the LEAST expensive?

A.
Warm standby

B.
Multisite

C.
Backup and restore

D.
Pilot light

Answer: C
Explanation:

QUESTION NO: 760

A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but the user access must be controlled in a more secure and reliable way.

Which AWS service or feature will meet these requirements?

A.
Security groups

B.
Amazon GuardDuty

C.
AWS Secrets Manager

D.
Amazon Cognito

Answer: A
Explanation:

QUESTION NO: 761

Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain insight into operations, and continuously improve supporting processes and procedures?

A.
Cost optimization

B.
Reliability

C.
Operational excellence

D.
Performance efficiency

Answer: C
Reference: https://wa.aws.amazon.com/wellarchitected/2020-07-02T19-33-23/wat.pillar.operationalExcellence.en.html#:~:text=The%20Operational%20Excellence%20pillar%20includes,procedures%20to%20deliver%20business%20value

QUESTION NO: 762

Which AWS benefit is demonstrated by on-demand technology services that enable companies to replace upfront fixed expenses with variable expenses?

A.
High availability

B.
Economies of scale

C.
Pay-as-you-go pricing

D.

Global reach

Answer: C

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

QUESTION NO: 763

A large organization has a single AWS account.

What are the advantages of reconfiguring the single account into multiple AWS accounts? (Choose two.)

A.

It allows for administrative isolation between different workloads.

B.

Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.

C.

Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.

D.

Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.

E.

Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

Answer: A,C
Explanation:

QUESTION NO: 764

An online retail company recently deployed a production web application. The system administrator needs to block common attack patterns such as SQL injection and cross-site scripting.

Which AWS service should the administrator use to address these concerns?

A.
AWS WAF

B.
Amazon VPC

C.
Amazon GuardDuty

D.
Amazon CloudWatch

Answer: A
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/waf-block-common-attacks/

QUESTION NO: 765

What does Amazon CloudFront provide?

A.
Automatic scaling for all resources to power an application from a single unified interface

B.
Secure delivery of data, videos, applications, and APIs to users globally with low latency

C.
Ability to directly manage traffic globally through a variety of routing types, including latency-based routing, geo DNS, geoproximity, and weighted round robin

D.
Automatic distribution of incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, IP addresses, and AWS Lambda functions

Answer: B
Reference:

https://aws.amazon.com/cloudfront/#:~:text=Amazon%20CloudFront%20is%20a%20fast,within%20a%20developer%2Dfriendly%20environment

QUESTION NO: 766

Which phase describes agility as a benefit of building in the AWS Cloud?

A.
The ability to pay only when computing resources are consumed, based on the volume of resources that are consumed

B.
The ability to eliminate guessing about infrastructure capacity needs

C.
The ability to support innovation through a reduction in the time that is required to make IT resources available to developers

D.
The ability to deploy an application in multiple AWS Regions around the world in minutes

Answer: C
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html

QUESTION NO: 767

A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.

Which AWS service or group can provide these documents?

A.
AWS Abuse team

B.

AWS Artifact

C.
AWS Support

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/artifact/faq/

QUESTION NO: 768

Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Choose two.)

A.
Service limits

B.
High utilization Amazon EC2 instances

C.
Security groups – specific ports unrestricted

D.
Load balancer optimization

E.
Large number of rules in an EC2 security groups

Answer: A,C
Reference: https://aws.amazon.com/premiumsupport/faqs/

QUESTION NO: 769

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

What is the MOST operationally efficient AWS solution for this scenario?

A.

Create an Amazon S3 bucket for each users. Mount each bucket by using an S3 file system mounting utility.

B.

Configure and deploy an AWS Storage Gateway file gateway. Connect each user's workstation to the file gateway.

C.

Move each user's working environment to Amazon WorkSpaces. Set up an Amazon WorkDocs account for each user.

D.

Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS volume. Share the EBS volume directly with the users.

Answer: B
Explanation:

QUESTION NO: 770

Which network security features are supported by Amazon VPC? (Choose two.)

A.
Network ACLs

B.
Internet gateways

C.
VPC peering

D.
Security groups

E.
Firewall rules

Answer: A,D
Reference: https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html

QUESTION NO: 771

A company wants to build a new architecture with AWS services. The company needs to compare service costs at various scales.

Which AWS service, tool, or feature should the company use to meet this requirement?

A.
AWS Compute Optimizer

B.
AWS Pricing Calculator

C.
AWS Trusted Advisor

D.
Cost Explorer rightsizing recommendations

Answer: B
Reference: https://calculator.s3.amazonaws.com/index.html

QUESTION NO: 772

An Elastic Load Balancer allows the distribution of web traffic across multiple:

A.
AWS Regions.

B.
Availability Zones.

C.
Dedicated Hosts.

D.
Amazon S3 buckets.

Answer: B

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

QUESTION NO: 773

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

A.
Agility

B.
Elasticity

C.
Reliability

D.
Durability

Answer: B
Explanation:

QUESTION NO: 774

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

A.
AWS Fargate

B.
Amazon CloudFront

C.
AWS Global Accelerator

D.
AWS Wavelength

E.
Amazon VPC

Answer: B,C

Reference: https://www.lastweekinaws.com/blog/what-is-an-edge-location-in-aws-a-simple-explanation/#:~:text=CloudFront%20is%20the%20most%20commonly,caches%20content%20in%20edge%20locations

QUESTION NO: 775

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

A.
Consumption-based pricing

B.
Perpetual licenses

C.
Economies of scale

D.
AWS Enterprise Support at no additional cost

E.
Bring-your-own-hardware model

Answer: A,C
Explanation:

QUESTION NO: 776

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances.

Which benefit of the AWS Cloud does this example illustrate?

A.
High availability

B.
Elasticity

C.
Reliability

D.
Global reach

Answer: B
Explanation:

QUESTION NO: 777

A company is running and managing its own Docker environment on Amazon EC2 instances. The company wants to alternate to help manage cluster size, scheduling, and environment maintenance.

Which AWS service meets these requirements?

A.
AWS Lambda

B.
Amazon RDS

C.
AWS Fargate

D.
Amazon Athena

Answer: C
Reference: https://aws.amazon.com/ecs/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc&ecs-blogs.sort-by=item.additionalFields.createdDate&ecs-blogs.sort-order=desc

QUESTION NO: 778

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB.

What is the MOST operationally efficient solution to delegate permissions?

A.
Create an IAM role with the required permissions. Attach the role to the EC2 instance.

B.
Create an IAM user and use its access key and secret access key in the application.

C.
Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance

D.
Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

Answer: A
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_use_switch-role-ec2.html

QUESTION NO: 779

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

A.
IAM access and secret keys are static, so there is no need to rotate them.

B.
The customer is responsible for rotating keys.

C.
AWS will rotate the keys whenever required.

D.
The AWS Support team will rotate keys when requested by the customer.

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

QUESTION NO: 780

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources need to refactor the application, but management wants to reduce operational overhead as part of the migration.

Which database service would MOST effectively support these requirements?

A.
Amazon DynamoDB

B.
Amazon Redshift

C.
Microsoft SQL Server on Amazon EC2

D.
Amazon RDS for SQL Server

Answer: D
Explanation:

QUESTION NO: 781

A company wants to increase its ability to recover its infrastructure in the case of a natural disaster.

Which pillar of the AWS Well-Architected Framework does this ability represent?

A.
Cost optimization

B.
Performance efficiency

C.
Reliability

D.
Security

Answer: C
Reference: https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-

reliability-pillar.pdf

QUESTION NO: 782

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

A.
AWS Cloud9

B.
AWS CodeStar

C.
AWS Cloud Map

D.
AWS X-Ray

Answer: D
Reference:
https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing

QUESTION NO: 783

Which tasks require use of the AWS account root user? (Choose two.)

A.
Changing an AWS Support plan

B.
Modifying an Amazon EC2 instance type

C.
Grouping resources in AWS Systems Manager

D.

Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)

E.
Closing an AWS account

Answer: A,E
Reference: https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html

QUESTION NO: 784

Which of the following describes AWS Local Zones?

A.
A cluster of data centers in one geographic location

B.
A site used by Amazon CloudFront to cache frequently accessed content

C.
An extension of an AWS Region to more granular locations

D.
One or more data centers with redundant power and networking

Answer: A
Reference: https://aws.amazon.com/about-aws/global-infrastructure/localzones/

QUESTION NO: 785

Which AWS service or feature is highly available by default?

A.
Amazon EC2

B.
Amazon Aurora

C.

NAT instances

D.
Amazon RDS

Answer: D
Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html

QUESTION NO: 786

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

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

A.
EC2 key pairs

B.
AWS Systems Manager Session Manager

C.
AWS Identity and Access Management (IAM)

D.
Network ACLs

Answer: B
Reference: https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html

QUESTION NO: 787

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice.

Which benefit of the AWS Cloud describes these abilities?

A.
Reliability

B.
Economy of scale

C.
Elasticity

D.
Pay-as-you-go pricing

Answer: C
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html

QUESTION NO: 788

Which task is an AWS responsibility when a workload is running in Amazon RDS?

A.
Creating the database table

B.
Updating the database schema

C.
Installing the database engine

D.
Dropping the database records

Answer: C
Explanation:

QUESTION NO: 789

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine.

Which AWS database service should the company choose?

A.
Amazon DynamoDB

B.
Amazon Aurora

C.
Amazon Neptune

D.
Amazon DocumentDB (with MongoDB compatibility)

Answer: C
Reference: https://techcrunch.com/2017/11/29/amazon-introduces-an-aws-graph-database-service-called-amazon-neptune/

QUESTION NO: 790

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

A.
Identity and access management (IAM)

B.
Server-side encryption (SSE)

C.
Firewall configuration

D.
Maintaining physical hardware

Answer: D
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 791

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

A.
AWS Systems Manager

B.
AWS CloudFormation

C.
AWS Batch

D.
AWS Config

Answer: B
Reference: https://aws.amazon.com/products/management-and-governance/use-cases/provisioning-and-orchestration/

QUESTION NO: 792

A company has an application workload that is stateless be design and can sustain occasional downtime. The application performs massively parallel computations.

Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

A.
On-Demand Instances

B.
Spot Instances

C.
Reserved Instances

D.
Dedicated Instances

Answer: B

Reference: https://developer.ibm.com/recipes/tutorials/making-the-most-of-aws-spot-instances-5-best-practices/

QUESTION NO: 793

A company wants to establish a private network connection between AWS and its corporate network.

Which AWS service or feature will meet this requirement?

A.
Amazon Connect

B.
Amazon Route 53

C.
AWS Direct Connect

D.
VPC peering

Answer: C

Reference: https://aws.amazon.com/blogs/aws/user-network-to-amazon-vpc-connectivity-for-applications-hosted-on-aws/

QUESTION NO: 794

According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

A.
Amazon DynamoDB

B.
Amazon EC2 instances

C.
Amazon RDS instances

D.
Amazon S3

Answer: B
Explanation:

QUESTION NO: 795

Which AWS service is a relational database compatible with MySQL and PostgreSQL?

A.
Amazon Redshift

B.
Amazon DynamoDB

C.
Amazon Aurora

D.
Amazon Neptune

Answer: C
Reference: https://aws.amazon.com/rds/aurora/?aurora-whats-new.sort-by=item.additionalFields.postDateTime&aurora-whats-new.sort-order=desc

QUESTION NO: 796

Which AWS service should a company use to continuously monitor the compliance of AWS resource configurations?

A.
AWS Organizations

B.

AWS Config

C.
AWS Artifact

D.
AWS Service Catalog

Answer: B
Reference:
https://aws.amazon.com/config/#:~:text=AWS%20Config%20is%20a%20service,recorded%20con
figurations%20against%20desired%20configurations

QUESTION NO: 797

Which of the following are responsibilities of the customer in the AWS Cloud? (Choose two.)

A.
Security in the cloud

B.
Configuration of AWS infrastructure devices

C.
Configuration of security groups on Amazon EC2 instances

D.
Security of the cloud

E.
Patches for the operating system of Amazon DynamoDB

Answer: A,E
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 798

Which tasks can be performed by an IAM user that has been granted all of the AWS Identity and
Access Management (IAM) permissions that are available? (Choose two.)

A.

Activate IAM access to the AWS Billing and Cost Management console.

B.

Close an AWS account.

C.

Turn on multi-factor authentication (MFA) for non-administrative IAM users.

D.

Change the AWS Support plan.

E.

Delegate access to another AWS account.

Answer: C,E
Explanation:

QUESTION NO: 799

Which AWS service or feature is available only to users who have an AWS Enterprise Support plan?

A.
AWS Trusted Advisor

B.
AWS Support case

C.
AWS Concierge Support team

D.
Amazon Connect

Answer: C
Reference: https://aws.amazon.com/premiumsupport/plans/

QUESTION NO: 800

Which AWS service or feature is designed to help companies take advantage of quantity discounts available from AWS?

A.
Saving Plans

B.
AWS Budgets

C.
AWS Organizations

D.
AWS Pricing Calculator

Answer: C
Reference: https://aws.amazon.com/organizations/

QUESTION NO: 801

Which AWS service can a company use to create a relational database in the AWS Cloud?

A.
Amazon RDS

B.
Amazon DynamoDB

C.
Amazon ElastiCache

D.
Amazon S3

Answer: A
Reference: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html

QUESTION NO: 802

Which AWS service providers automated backups of data by default?

A.
Amazon S3

B.
Amazon Aurora

C.
Amazon ElastiCache for Memcached

D.
Amazon Elastic File System (Amazon EFS)

Answer: A
Reference: https://aws.amazon.com/backup-restore/

QUESTION NO: 803

Which of the following is a characteristic of the AWS account root user?

A.
The root user is the only user that can be configured with multi-factor authentication (MFA).

B.
The root user is the only user that can access the AWS Management Console.

C.
The root user is the first sign-in identity that is available when an AWS account is created.

D.
The root user has a password that cannot be changed.

Answer: C
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html

QUESTION NO: 804

Which AWS service should be used to migrate a company's on-premises MySQL database to Amazon RDS?

A.
AWS Direct Connect

B.
AWS Server Migration Service (AWS SMS)

C.
AWS Database Migration Service (AWS DMS)

D.
AWS Schema Conversion Tool (AWS SCT)

Answer: C
Reference: https://aws.amazon.com/premiumsupport/knowledge-center/migrate-mysql-rds-dms/

QUESTION NO: 805

A company hosts its website on Amazon EC2 instances. The company needs to ensure that the website reaches a global audience and provides minimum latency to users.

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

A.
Amazon Route 53

B.
Amazon CloudFront

C.
Elastic Load Balancing

D.
AWS Lambda

Answer: A
Reference: https://aws.amazon.com/route53/faqs/

QUESTION NO: 806

A company wants to move its data center to the AWS Cloud. Technology leadership needs to develop a business case that includes the most cost-effective deployment and purchasing options.

Which AWS service or features supports this task with the LEAST amount of operational overhead?

A.
AWS Migration Evaluator

B.
AWS Application Discovery Service

C.
AWS Migration Hub

D.
AWS Server Migration Service (AWS SMS)

Answer: A
Reference: https://aws.amazon.com/migration-evaluator/

QUESTION NO: 807

A company needs software solutions that are hosted on the AWS platform or that are integrated with the AWS platform. The company needs solutions from independent software vendors as well as management and security vendors.

Which group or team can provide these solutions?

A.
AWS technical account managers (TAMs)

B.
AWS Partner Network (APN) Consulting Partners

C.
AWS Concierge Support

D.

AWS Partner Network (APN) Technology Partners

Answer: B
Reference: https://aws.amazon.com/partners/

QUESTION NO: 808

Which AWS service or tool gives a company the ability to release application changes in an automated way?

A.
Amazon AppFlow

B.
AWS CodeDeploy

C.
AWS PrivateLink

D.
Amazon EKS Distro

Answer: B
Reference: https://aws.amazon.com/codedeploy/

QUESTION NO: 809

A company's compliance officer wants to review the AWS Service Organization Control (SOC) reports.

Which AWS service or feature should the compliance officer use to complete this task?

A.
AWS Artifact

B.
AWS Concierge Support

C.

AWS Support

D.

AWS Trusted Advisor

Answer: A
Reference: https://aws.amazon.com/compliance/soc-faqs/

QUESTION NO: 810

A company needs to plan, schedule, and run hundreds of thousands of computing jobs on AWS.

Which AWS service can the company use to meet this requirement?

A.

AWS Step Functions

B.

AWS Service Catalog

C.

Amazon Simple Queue Service (Amazon SQS)

D.

AWS Batch

Answer: D
Reference: https://aws.amazon.com/batch/

QUESTION NO: 811

Which AWS service can send an alert when personally identifiable information (PII) is stored within an Amazon S3 bucket?

A.

Amazon GuardDuty

B.

Amazon Macie

C.

Amazon Inspector

D.

AWS Trusted Advisor

Answer: B

Reference:

https://aws.amazon.com/macie/#:~:text=Macie%20automatically%20detects%20a%20large,addre
sses%2C%20and%20credit%20card%20numbers

QUESTION NO: 812

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

A.

File storage

B.

Object storage

C.

Block storage

D.

Instance store

Answer: A

Reference: https://pilotcoresystems.com/insights/ebs-efs-fsx-s3-how-these-storage-options-differ

QUESTION NO: 813

Which AWS service or feature improves network performance by sending traffic through the AWS
worldwide network infrastructure?

A.

Route table

B.

AWS Transit Gateway

C.

AWS Global Accelerator

D.

Amazon VPC

Answer: C

Reference: https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc

QUESTION NO: 814

A company is designing a new application that will store and retrieve millions of photos and videos.

Which AWS service or feature can provide the underlying storage at the LOWEST cost?

A.

Amazon EC2 instance store

B.

Amazon Elastic Block Store (Amazon EBS)

C.

Amazon S3

D.

Amazon Simple Queue Service (Amazon SQS)

Answer: A

Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Storage.html

QUESTION NO: 815

Which AWS service or feature can simplify the management of hundreds of VPC connections across AWS Regions worldwide?

A.
AWS Transit Gateway

B.
Amazon Connect

C.
Security groups

D.
VPC peering

Answer: A
Reference: https://aws.amazon.com/transit-gateway/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc

QUESTION NO: 816

A cloud practitioner wants information on the state of an existing AWS environment compared against established best practices.

Which AWS services or features should the cloud practitioner use to obtain this information? (Choose two.)

A.
AWS Artifact

B.
AWS Solutions Library

C.
AWS Trusted Advisor

D.

AWS Well-Architected Tool

E.
AWS Personal Health Dashboard

Answer: B,D
Reference: https://aws.amazon.com/solutions/

https://aws.amazon.com/well-architected-tool/?whats-new-cards.sort-
by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc

QUESTION NO: 817

Which task is shared between AWS and the customer, according to the AWS shared responsibility
model?

A.
Physical and environmental controls

B.
Server hardware management and encryption

C.
Application security

D.
Patch management and configuration management

Answer: D
Explanation:

Shared Controls – Controls which apply to both the infrastructure layer and customer layers, but in
completely separate contexts or perspectives. In a shared control, AWS provides the requirements
for the infrastructure and the customer must provide their own control implementation within their
use of AWS services. Examples include:

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

QUESTION NO: 818

What is an example of a decoupled, scalable, cloud-based application?

A.

A mail and log application that runs on a single Amazon EC2 instance

B.

A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database

C.

An Application Load Balancer, web server, and database server that support a monolithic application

D.

A legacy database server that is running on the maximum instance size supported by its license

Answer: C
Reference: https://www.ibm.com/cloud/blog/four-architecture-choices-for-application-development

QUESTION NO: 819

A company needs to securely store important credentials that an application uses to connect users to a database.

Which AWS service can meet this requirement with the MINIMAL amount of operational overhead?

A.
AWS Key Management Service (AWS KMS)

B.
AWS Config

C.
AWS Secrets Manager

D.
Amazon GuardDuty

Answer: C
Reference: https://aws.amazon.com/secrets-manager/

QUESTION NO: 820

An ecommerce company wants to design a highly available application that will be hosted on multiple Amazon EC2 instances.

How should the company deploy the EC2 instances to meet these requirements?

A.
Across multiple edge locations

B.
Across multiple VPCs

C.
Across multiple Availability Zones

D.
Across multiple AWS accounts

Answer: C
Explanation:

Consider the availability of multiple data centers

Reference: https://docs.aws.amazon.com/whitepapers/latest/web-application-hosting-best-practices/web-application-hosting-best-practices.pdf

QUESTION NO: 821

Which characteristics are advantages of using the AWS Cloud? (Choose two.)

A.
A 100% service level agreement (SLA) for all AWS services

B.
Compute capacity that is adjusted on demand

C.
Availability of AWS Support for code development

D.
Enhanced security

E.
Increases in cost and complexity

Answer: B,D
Reference: https://intellipaat.com/blog/aws-benefits-and-drawbacks/

QUESTION NO: 822

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud.

Which of the following are benefits of building this app in the AWS Cloud? (Choose two.)

A.
A large, upfront capital expense and low variable expenses

B.
Increased speed for trying out new projects

C.
Complete control over the physical security of the infrastructure

D.
Flexibility to scale up in minutes as the application becomes popular

E.
Ability to pick the specific data centers that will host the application servers

Answer: A,D
Explanation:

QUESTION NO: 823

A company wants to automate the retention, creation, and deletion of Amazon Elastic Block Store (Amazon EBS) snapshots.

Which AWS service or feature can the company use to meet this requirement?

A.

AWS Organizations

B.

Amazon Data Lifecycle Manager (Amazon DLM)

C.

AWS Systems Manager

D.

Amazon S3 Lifecycle policies

Answer: B

Reference: https://aws.amazon.com/blogs/storage/automating-amazon-ebs-snapshots-management-using-data-lifecycle-manager/

QUESTION NO: 824

Which pillar of the AWS Well-Architected Framework focuses on the ability to recover automatically from service interruptions?

A.

Security

B.

Performance efficiency

C.

Operational excellence

D.

Reliability

Answer: D

Explanation:

Explanation:

Resiliency is the ability of a workload to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions, such as misconfigurations or transient network issues

Reference: https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf

QUESTION NO: 825

Which of the following are advantages of using AWS for cloud computing? (Choose two.)

A.
Users can increase speed and agility by deploying services with just one click.

B.
Users receive a discount on hardware that they purchase for their data centers.

C.
Users can reserve excess capacity to ensure that resources are always available.

D.
Users trade variable expenses for capital expenses.

E.
Users benefit from massive economies of scale.

Answer: A,E
Reference: https://docs.aws.amazon.com/whitepapers/latest/aws-overview/six-advantages-of-cloud-computing.html

QUESTION NO: 826

Which AWS services or features provide high availability and low latency by enabling failover across different AWS Regions? (Choose two.)

A.
Amazon Route 53

B.
Network Load Balancer

C.

Amazon S3 Transfer Acceleration

D.

AWS Global Accelerator

E.

Application Load Balancer

Answer: A,D

Reference: https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-load-balancing-and-failover.html

QUESTION NO: 827

Which action is consistent with the principle of least privilege in terms of AWS Cloud architecture?

A.

Allow users the minimum access that is needed to do a task.

B.

Prevent managers from accessing important source code.

C.

Provide only the permissions that are needed for users to do their jobs in the current month.

D.

Assign permissions that are based on job titles.

Answer: C

Reference: https://aws.amazon.com/blogs/security/how-to-define-least-privileged-permissions-for-actions-called-by-aws-services/

QUESTION NO: 828

Which AWS services can use AWS WAF to protect against common web exploitations? (Choose two.)

A.

Amazon Route 53

B.
Amazon CloudFront

C.
AWS Transfer Family

D.
AWS Site-to-Site VPN

E.
Amazon API Gateway

Answer: B,E
Reference: https://aws.amazon.com/waf/

QUESTION NO: 829

An ecommerce company recently started using the AWS Cloud.

Which security-related tasks are the company's responsibility? (Choose two.)

A.
Restrict who is allowed physical access to the hosts that run the company's Amazon EC2 instances.

B.
Install security patches on Amazon EC2 Linux instances.

C.
Choose to encrypt data at rest that is stored on Amazon S3.

D.
Wipe Amazon Elastic Block Store (Amazon EBS) volumes clean before they are decommissioned.

E.
Conduct database patching for Amazon RDS instances.

Answer: C,E
Reference: https://docs.aws.amazon.com/AmazonS3/latest/userguide/UsingEncryption.html

https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/rds-custom.html

QUESTION NO: 830

Which AWS service or tool creates an audit log of all AWS resources that have been created?

A.
Amazon CloudFront

B.
Amazon CloudWatch

C.
AWS CloudTrail

D.
AWS Application Migration Service (CloudEndure Migration)

Answer: C
Explanation:
Explanation:

AWS CloudTrail, AWS Config, and AWS Config Rules provide audit and change tracking features for auditing AWS resource changes.

Reference: https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/audit-accountability.html

QUESTION NO: 831

According to the AWS shared responsibility model, who is responsible for the virtualization layer down to the physical security of the facilities in which AWS services operate?

A.
It is the sole responsibility of the customer.

B.
It is the sole responsibility of AWS.

C.
It is a shared responsibility between AWS and the customer.

D.

The customer's AWS Support plan tier determines who manages the configuration.

Answer: C

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

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

QUESTION NO: 832

Which AWS services are eligible for a Compute Savings Plan? (Choose two.)

A.
AWS Lambda

B.
Amazon RDS

C.
Amazon VPC

D.
Amazon DynamoDB

E.
Amazon EC2

Answer: A,E

Explanation:

Compute Savings Plans provide the most flexibility and help to reduce your costs by up to 66%. These plans automatically apply to EC2 instance usage regardless of instance family, size, AZ, Region, OS or tenancy, and also apply to Fargate or Lambda usage.

Reference: https://aws.amazon.com/savingsplans/compute-pricing/

QUESTION NO: 833

A company needs to use AWS Identity and Access Management (IAM) to attach an IAM policy to all IAM users in an AWS account.

Which solution meets this requirement?

A.
Attach the IAM policy to each IAM user.

B.
Attach the IAM policy to the IAM group containing all the IAM users.

C.
Attach the IAM policy to the IAM role containing all the IAM users.

D.
Apply the IAM policy to the entire AWS account.

Answer: C
Explanation:

Use IAM roles to delegate access within or between AWS accounts.

Reference: https://aws.amazon.com/iam/faqs/

QUESTION NO: 834

A social media company needs to launch a new feature. The feature will give users the ability to share images that can be viewed by other users across the world with low latency.

Which AWS service or feature should the company use to meet this requirement MOST cost-effectively?

A.
Amazon DynamoDB global tables

B.
AWS Direct Connect

C.

Amazon CloudFront

D.
AWS Outposts

Answer: C
Explanation:

Securely deliver content with low latency and high transfer speeds.

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

QUESTION NO: 835

Which AWS service is an in-memory data store service?

A.
Amazon Aurora

B.
Amazon RDS

C.
Amazon DynamoDB

D.
Amazon ElastiCache

Answer: D
Explanation:

Amazon ElastiCache is a fully managed, in-memory caching service supporting flexible, real-time use cases.

Reference: https://aws.amazon.com/elasticache/

QUESTION NO: 836

A company wants to have one AWS account for the entire company and individual accounts for each department.

Which AWS service should the company use to aggregate and manage all accounts?

A.
AWS Billing and Cost Management

B.
AWS Organizations

C.
AWS Identity and Access Management (IAM)

D.
AWS Resource Access Manager

Answer: B
Explanation:

Enterprise Support plan customers have the option to include multiple accounts in an aggregated monthly billing.

Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidatedbilling-support.html

QUESTION NO: 837

What is an Availability Zone?

A.
A location where users can deploy compute, storage, database, and other select AWS services where no AWS Region currently exists.

B.
One or more discrete data centers with redundant power, networking, and connectivity

C.
One or more clusters of servers where new workloads can be deployed

D.
A fast content delivery network (CDN) service that securely delivers data, videos, applications, and

APIs to users globally

Answer: B
Explanation:

Availability Zones consist of one or more discrete data centers, each with redundant power, networking, and connectivity, housed in separate facilities.

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

QUESTION NO: 838

Which AWS service is a continuous delivery and deployment solution?

A.
AWS AppSync

B.
AWS CodePipeline

C.
AWS Cloud9

D.
AWS CodeCommit

Answer: B
Explanation:

Continuous delivery, its benefits, and how to implement it using AWS CodePipeline and AWS CodeBuild.

Reference: https://aws.amazon.com/devops/continuous-delivery/

QUESTION NO: 839

Which AWS service provides recommendations for rightsizing AWS resources such as Amazon EC2 instances, Amazon Elastic Block Store (Amazon EBS) volumes, and Amazon RDS databases to help users reduce costs?

A.
Amazon Inspector

B.
AWS Trusted Advisor

C.
AWS Service Health Dashboard

D.
Amazon Forecast

Answer: C
Reference: https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/

QUESTION NO: 840

Making frequent, small, reversible changes is a design principle of which pillar of the AWS Well-Architected Framework?

A.
Reliability

B.
Operational excellence

C.
Performance efficiency

D.
Cost optimization

Answer: B
Explanation:

Make frequent, small, reversible changes

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

framework/

QUESTION NO: 841

Which factors affect costs in the AWS Cloud? (Choose two.)

A.
The number of unused AWS Lambda functions

B.
The number of configured Amazon S3 buckets

C.
Inbound data transfers without acceleration

D.
Outbound data transfers without acceleration

E.
Compute resources that are currently in use

Answer: C,D
Reference: https://aws.amazon.com/s3/pricing/

QUESTION NO: 842

A company hosts an application on multiple Amazon EC2 instances. The application uses Amazon Simple Notification Service (Amazon SNS) to send messages.

Which AWS service or feature will give the application permission to access required AWS services?

A.
AWS Certificate Manager (ACM)

B.
IAM roles

C.

AWS Security Hub

D.
Amazon GuardDuty

Answer: B
Explanation:
Explanation:

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.

Reference: https://aws.amazon.com/iam/faqs/

QUESTION NO: 843

A company has a business-critical Amazon RDS for MySQL DB instance that resides in a single Availability Zone.

Which solution will improve the availability of the DB instance?

A.
Convert the DB instance into a multi-Region deployment.

B.
Create an Amazon Simple Queue Service (Amazon SQS) queue in the same AWS Region to manage writes to the DB instance.

C.
Convert the DB instance into a Multi-AZ deployment.

D.
Create an Amazon Simple Queue Service (Amazon SQS) queue in a different AWS Region to manage writes to the DB instance.

Answer: C
Reference: https://aws.amazon.com/rds/features/multi-az/#:~:text=To%20create%20a%20new%20Multi,in%20the%20AWS%20Management%20Console
e

QUESTION NO: 844

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

A.
Maintain the security of the AWS Cloud.

B.
Configure firewalls and networks.

C.
Patch the operating system of Amazon RDS instances.

D.
Implement physical and environmental controls.

Answer: A
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 845

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

A.
Economies of scale

B.
Security

C.
Elasticity

D.
Global reach

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

QUESTION NO: 846

A company wants to analyze streaming user data and respond to customer queries in real time.

Which AWS service can meet these requirements?

A.
Amazon QuickSight

B.
Amazon Redshift

C.
Amazon Kinesis Data Analytics

D.
AWS Data Pipeline

Answer: C
Explanation:

Amazon Kinesis Data Streams is a scalable and durable real-time data streaming service that can continuously capture gigabytes of data per second from hundreds of thousands of sources.

Reference: https://aws.amazon.com/kinesis/

QUESTION NO: 847

A company is moving its on-premises key-value database to the AWS Cloud.

Which AWS service will support this use case?

A.
Amazon RDS

B.
Amazon ElastiCache

C.

Amazon DynamoDB

D.
Amazon Redshift

Answer: C
Explanation:

They chose Amazon DynamoDB as their key-value database.

Reference: https://docs.aws.amazon.com/prescriptive-guidance/latest/strategy-database-migration/strategy-database-migration.pdf

QUESTION NO: 848

According to the AWS shared responsibility model, which of the following is the responsibility of AWS?

A.
Data encryption in transit

B.
Firmware updates on hardware

C.
Operating system patching on Amazon EC2 instances

D.
Data encryption at rest

Answer: B
Reference: https://aws.amazon.com/compliance/shared-responsibility-model/

QUESTION NO: 849

An independent software vendor (ISV) wants to deploy its application on AWS. The ISV's customers must be able to access the application securely from their own AWS accounts.

Which AWS service or feature can the ISV use to securely provide access to its application?

A.
Virtual private gateway

B.
AWS Client VPN

C.
Internet gateway

D.
AWS PrivateLink

Answer: B
Explanation:

AWS Client VPN is a fully managed service that provides customers with the ability to securely access AWS and on-premises resources from any location using OpenVPN based clients.

Reference: https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/

QUESTION NO: 850

A company has all of its servers in the us-east-1 Region. The company is considering the deployment of additional servers in a different Region.

Which AWS tool should the company use to find pricing information for other Regions?

A.
Cost Explorer

B.
AWS Budgets

C.
AWS Purchase Order Management

D.
AWS Pricing Calculator

Answer: C
Reference: https://aws.amazon.com/aws-cost-management/aws-purchase-order-management/

QUESTION NO: 851

A user is designing a service to align with the operational excellence pillar of the AWS Well-Architected Framework.

Which design principle should the user follow?

A.
Anticipate failure

B.
Make large-scale changes

C.
Perform manual operations

D.
Create static operational procedures

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

QUESTION NO: 852

A company wants to configure a dedicated connection between its on-premises IT infrastructure and resources in an AWS Region. The company also wants to reduce network latency and congestion.

Which AWS service or feature should the company choose?

A.
AWS VPN

B.
AWS PrivateLink

C.
Amazon Connect

D.
AWS Direct Connect

Answer: D
Reference: https://aws.amazon.com/directconnect/

QUESTION NO: 853

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

A.
Amazon Inspector

B.
AWS Trusted Advisor

C.
Amazon CloudWatch

D.
AWS CloudTrail

Answer: C
Reference: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recommendations.html

QUESTION NO: 854

A company is planning to create a new application that will run on Amazon EC2 instances and back up data on Amazon Elastic Block Store (EBS) volumes to Amazon S3. The company wants to estimate the monthly costs of running the application before making a deployment decision.

Which AWS service or feature can be used to estimate these costs?

A.
Cost Explorer

B.
AWS Pricing Calculator

C.
AWS Cost and Usage Report

D.
AWS Budgets

Answer: B
Explanation:

To estimate a bill, use the AWS Pricing Calculator. Choose Create estimate, and then choose your planned resources by service. The AWS Pricing Calculator provides an estimated cost per month.

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

QUESTION NO: 855

Which AWS services or features give users the ability to create a network connection between two VPCs? (Choose two.)

A.
VPC endpoints

B.
Amazon Route 53

C.
VPC peering

D.
AWS Direct Connect

E.
AWS Transit Gateway

Answer: A,C

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

QUESTION NO: 856

A company is planning to host a large ecommerce application in the AWS Cloud. The company must create an architecture that provides protection against network-based security issues, such as DDoS attacks.

Which AWS services should the company use to meet this requirement? (Choose two.)

A.
Amazon Inspector

B.
Amazon GuardDuty

C.
Amazon CloudFront

D.
AWS Shield

E.
AWS Identity and Access Management (IAM)

Answer: C,D
Explanation:

AWS WAF is a web application firewall that can be deployed on CloudFront to help protect your application against DDoS attacks by giving you control over which traffic to allow or block by defining security rules.

Set up your DDoS protection on AWS

All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge.

Reference: https://aws.amazon.com/blogs/security/how-to-protect-dynamic-web-applications-against-ddos-attacks-by-using-amazon-cloudfront-and-amazon-route-53/

https://aws.amazon.com/shield/ddos-attack-protection/

QUESTION NO: 857

A user has a stateless and restartable application that will run on an Amazon EC2 instance for 2 hours at a time.

Which purchase option is the MOST cost-effective?

A.
On-Demand Instances

B.
Reserved Instances

C.
Dedicated Instances

D.
Spot Instances

Answer: D
Explanation:

Moreover, you can easily combine Spot Instances with On-Demand, RIs and Savings Plans Instances to further optimize workload cost with performance. Due to the operating scale of AWS, Spot Instances can offer the scale and cost savings to run hyper-scale workloads. You also have the option to hibernate, stop or terminate your Spot Instances when EC2 reclaims the capacity back with two-minutes of notice.

Reference: https://aws.amazon.com/ec2/spot/?cards.sort-by=item.additionalFields.startDateTime&cards.sort-order=asc&trk=ps_a134p000006vwFPAAY&trkCampaign=acq_paid_search_brand&sc_channel=PS&sc_campaign=acquisition_ASEAN&sc_publisher=Google&sc_category=Cloud%20Computing&sc_country=ASEAN&sc_geo=APAC&sc_outcome=acq&sc_detail=ec2%20spot%20instances&sc_content=EC2%20Spot_e&sc_matchtype=e&sc_segment=517700822327&sc_medium=ACQ-P|PS-GO|Brand|Desktop|SU|Cloud%20Computing|EC2%20Spot|ASEAN|EN|Text&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances&ef_id=Cj0KCQiAzfuNBhCGARIsAD1nu--rrLg-ulJXXtzDDkBFm-I3G2AYRb_2iA6srPG19N-VPc3eRAuP-GcaAipgEALw_wcB:G:s&s_kwcid=AL!4422!3!517700822327!e!!g!!ec2%20spot%20instances

QUESTION NO: 858

Which AWS service is a fully managed source control service that hosts secure Git-based repositories?

A.
AWS CodeCommit

B.
AWS CodeStar

C.
Amazon CodeGuru

D.
AWS CodePipeline

Answer: A

Explanation:

AWS CodeCommit is a secure, highly scalable, managed source control service that hosts private Git repositories. It makes it easy for teams to securely collaborate on code with contributions encrypted in transit and at rest.

Reference: https://aws.amazon.com/codecommit/

QUESTION NO: 859

A company needs to send time-critical messages to multiple subscribers through a push mechanism.

Which AWS service should the company use?

A.
Amazon Kinesis

B.
Amazon MQ

C.
Amazon Simple Queue Service (Amazon SQS)

D.
Amazon Simple Notification Service (Amazon SNS)

Answer: D
Explanation:

Amazon SNS allows applications to send time-critical messages to multiple subscribers through a "push" mechanism

Reference: https://aws.amazon.com/sns/faqs/

QUESTION NO: 860

Which AWS feature grants temporary access to specific AWS resources?

A.
AWS IAM Access Analyzer

B.
Service control policies (SCPs)

C.
Access control lists (ACLs)

D.
IAM roles

Answer: D
Reference: https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_use-resources.html

QUESTION NO: 861

Which of the following is a recommended design principle of the AWS Well-Architected

Framework?

A.

Reduce downtime by making infrastructure changes infrequently and in large increments.

B.

Invest the time to configure infrastructure manually.

C.

Learn to improve from operational failures.

D.

Use monolithic application design for centralization.

Answer: C
Explanation:

Learn from all operational failures: Drive improvement through lessons learned from all operational events and failures. Share what is learned across teams and through the entire organization.

Reference: https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf

QUESTION NO: 862

A company wants to create templates that the company can reuse to deploy multiple AWS resources.

Which AWS service or feature can the company use to meet this requirement?

A.
AWS Marketplace

B.
Amazon Machine Image (AMI)

C.
AWS CloudFormation

D.
AWS OpsWorks

Answer: C

Explanation:

After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments.

Reference: https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/best-practices.html

QUESTION NO: 863

A company's solutions architect wants to provision a few Amazon EC2 instances in an existing AWS account. The company requires a cost estimate before the company can approve the request.

Which AWS tool should the solutions architect use to produce the cost estimate?

A.
AWS Pricing Calculator

B.
Cost Explorer

C.
AWS Cost and Usage Report

D.
AWS Budgets

Answer: C

Explanation:

AWS Cost and Usage Reports tracks your AWS usage and provides estimated charges associated with your account.

Reference: https://docs.aws.amazon.com/cur/latest/userguide/what-is-cur.html

QUESTION NO: 864

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

A.

AWS Certificate Manager (ACM)

B.

Internet gateway

C.

VPC Flow Logs

D.

AWS CloudHSM

Answer: B

Reference: https://aws.amazon.com/premiumsupport/knowledge-center/network-issue-vpc-onprem-ig/