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About CertyIQ

We here at CertyIQ eventually got enough of the industry's greedy exam paid for. Our team of IT professionals comes with years of experience in the IT industry Prior to training CertyIQ we worked in test areas where we observed the horrors of the paywall exam preparation system.

The misuse of the preparation system has left our team disillusioned. And for that reason, we decided it was time to make a difference. We had to make In this way, CertyIQ was created to provide quality materials without stealing from everyday people who are trying to make a living.

Doubt Support

We have developed a very scalable solution using which we are able to solve 400+ doubts every single day with an average rating of 4.8 out of 5.

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John

October 19, 2022



Thanks you so much for your help. I scored 972 in my exam today. More than 90% were from your PDFs!

October 22, 2022



Passed my exam today with 891 marks. Out of 52 questions, 51 were from certyiq PDFs including Contoso case study. Thank You certyiq team!

Dana

September 04, 2022



Thanks a lot for this updated AZ-900 Q&A. I just passed my exam and got 974, I followed both of your Az-900 videos and the 6 PDF, the PDFs are very much valid, all answers are correct. Could you please create a similar video/PDF for DP900, your content/PDF's is really awesome. The team did a really good job. Thank You 😊.

Henry Rome

2 months ago



These questions are real and 100 % valid. Thank you so much for your efforts, also your 4 PDFs are awesome, I passed the DP900 exam on 1 Sept. With 968 marks. Thanks a lot, buddy!

Esmaria

2 months ago



Simple easy to understand explanations. To anyone out there wanting to write AZ900, I highly recommend 6 PDF's. Thank you so much, appreciate all your hard work in having such great content. Passed my exam Today - 3 September with 942 score.

Ahamed Shibly

2 months ago



Customer support is realy fast and helpful, I just finished my exam and this video along with the 6 PDF helped me pass! Definitely recommend getting the PDFs. Thank you!

Amazon

(AWS Certified Cloud Practitioner CLF-C02)

AWS Certified Cloud Practitioner CLF-C02

Total: **377 Questions**

Link: <https://certiq.com/papers?provider=amazon&exam=aws-certified-cloud-practitioner-clf-c02>

Question: 1

CertyIQ

A company plans to use an Amazon Snowball Edge device to transfer files to the AWS Cloud. Which activities related to a Snowball Edge device are available to the company at no cost?

- A.Use of the Snowball Edge appliance for a 10-day period
- B.The transfer of data out of Amazon S3 and to the Snowball Edge appliance
- C.The transfer of data from the Snowball Edge appliance into Amazon S3**
- D.Daily use of the Snowball Edge appliance after 10 days

Answer: C**Explanation:**

The transfer of data from the Snowball Edge appliance into Amazon S3.

Question: 2

CertyIQ

A company has deployed applications on Amazon EC2 instances. The company needs to assess application vulnerabilities and must identify infrastructure deployments that do not meet best practices. Which AWS service can the company use to meet these requirements?

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

Answer: B**Explanation:**

Answer B: Amazon Inspector is an automated vulnerability management 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.

Reference:

<https://aws.amazon.com/inspector/Software Vulnerability / Application Vulnerability>

Question: 3

CertyIQ

A company has a centralized group of users with large file storage requirements that have exceeded the space available on premises. The company wants to extend its file storage capabilities for this group while retaining the performance benefit of sharing content locally.

What is the MOST operationally efficient AWS solution for this scenario?

- A.Create an Amazon S3 bucket for each user. Mount each bucket by using an S3 file system mounting utility.
- B.Configure and deploy an AWS Storage Gateway file gateway. Connect each user's workstation to the file gateway.
- C.Move each user's working environment to Amazon WorkSpaces. Set up an Amazon WorkDocs account for each user.
- D.Deploy an Amazon EC2 instance and attach an Amazon Elastic Block Store (Amazon EBS) Provisioned IOPS

volume. Share the EBS volume directly with the users.

Answer: B

Explanation:

B is correct AWS Storage Gateway: Connect [on premises] with [AWS S3]file gateway: one of the AWS Storage Gateway's interface.

CertyIQ

Question: 4

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:

Have the EC2 instance assume a role to obtain the privileges to upload the file.

Reference:

<https://repost.aws/knowledge-center/ec2-instance-access-s3-bucket#>

CertyIQ

Question: 5

Which option is a customer responsibility when using **Amazon DynamoDB under** the AWS Shared Responsibility Model?

- A.Physical security of DynamoDB
- B.Patching of DynamoDB**
- C.Access to DynamoDB tables
- D.Encryption of data at rest in DynamoDB

Answer: C

Explanation:

C. Access to DynamoDB tables Under the AWS Shared Responsibility Model, controlling and managing access to AWS services, including Amazon DynamoDB tables, is a customer responsibility. While AWS takes care of the physical infrastructure, patching, and encryption of data at rest in DynamoDB, customers are responsible for setting up proper access controls, authentication, and authorization to protect their data and resources.

CertyIQ

Question: 6

Which option is a perspective that includes **foundational** capabilities of the AWS Cloud Adoption Framework (AWS CAF)?

- A.Sustainability
- B.Performance efficiency
- C.Governance**
- D.Reliability

Answer: C

Explanation:

C is the correct answer !The 6 AWS CAF perspectives are: Business, People, Governance, Platform, Security and Operations.

<https://abhi0751.medium.com/aws-cloud-adoption-framework-aws-caf-a512b89dbcba>

Question: 7

CertyIQ

A company is running and managing its own **Docker environment** on Amazon EC2 instances. The company wants an alternative to help manage cluster size, scheduling, and environment maintenance.
Which AWS service meets these requirements?

- A.AWS Lambda
- B.Amazon RDS
- C.AWS Fargate**
- D.Amazon Athena

Answer: C

Explanation:

C is the correct answer. AWS Fargate is a serverless, pay-as-you-go compute engine that lets you focus on building applications without managing servers. AWS Fargate is compatible with both Amazon Elastic Container Service (Amazon ECS) and Amazon Elastic Kubernetes Service (Amazon EKS).

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

Question: 8

CertyIQ

A company wants to run a **NoSQL database** on Amazon EC2 instances.
Which task is the responsibility of AWS in this scenario?

- A.Update the guest operating system of the EC2 instances.
- B.Maintain high availability at the database layer.
- C.Patch the physical infrastructure that hosts the EC2 instances.**
- D.Configure the security group firewall.

Answer: C

Explanation:

A is incorrect because when we set up an instance of ec2 we choose the operating system. B is incorrect

because we are configuring and running the database on the ec2 instances so that would be our responsibility. D is incorrect because the firewall rules are our job. C is correct because the physical infrastructure where the ec2 instances run is amazon's responsibility.

Question: 9

CertyIQ

Which AWS services or tools can identify rightsizing opportunities for Amazon EC2 instances? (Choose two.)

- A.AWS Cost Explorer
- B.AWS Billing Conductor
- C.Amazon CodeGuru
- D.Amazon SageMaker
- E.AWS Compute Optimizer

Answer: AE

Explanation:

A.AWS Cost Explorer.

E.AWS Compute Optimizer.

Reference:

<https://docs.aws.amazon.com/cost-management/latest/userguide/ce-rightsizing.html>
<https://aws.amazon.com/compute-optimizer/>

Question: 10

CertyIQ

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

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

Answer: CD

Explanation:

C & D are correct. Benefits of Trusted Advisor:

- Cost optimization - Trusted Advisor can help you save cost with actionable recommendations by analyzing usage, configuration and spend.
- Performance - Trusted Advisor can help improve the performance of your services with actionable recommendations by analyzing usage and configuration.
- Security - Trusted Advisor can help improve the security of your AWS environment by suggesting foundational security best practices curated by security experts.
- Fault tolerance - Trusted Advisor can help improve the reliability of your services.
- Service quotas - Service quotas are the maximum number of resources that you can create in an AWS account.

Reference:

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

Question: 11**CertyIQ**

Which of the following is an advantage that **users experience** when they move on-premises workloads to the AWS Cloud?

- A. **Elimination of expenses for** running and maintaining data centers
- B. Price discounts that are identical to discounts from hardware providers
- C. Distribution of all operational controls to AWS
- D. Elimination of operational expenses

Answer: A**Explanation:**

- A. Elimination of expenses for running and maintaining data centers.

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

Question: 12**CertyIQ**

A company wants to manage deployed IT **services and** govern its infrastructure as code (IaC) templates. Which **AWS service** will meet this requirement?

- A.AWS Resource Explorer
- B.AWS **Service Catalog**
- C.AWS Organizations
- D.AWS Systems Manager

Answer: B**Explanation:**

B - AWS Service Catalog is correct. AWS Service Catalog lets you centrally manage your cloud resources to achieve governance at scale of your infrastructure as code (IaC) templates, written in CloudFormation or Terraform configurations.

Reference:

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

Question: 13**CertyIQ**

Which AWS service or tool helps users **visualize, understand,** and manage spending and usage over time?

- A.AWS Organizations
- B.AWS Pricing Calculator
- C.AWS **Cost Explorer**
- D.AWS Service Catalog

Answer: C

Explanation:

C - AWS Cost Explorer is correct." 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/>

CertyIQ

Question: 14

A company is using a central data platform to **manage multiple** types of data for its customers. The company wants to use AWS services to discover, transform, and visualize the data.

Which **combination of** AWS services should the company **use** to meet these requirements? (Choose two.)

- A.AWS Glue
- B.Amazon Elastic File System (Amazon EFS)
- C.Amazon Redshift
- D.**Amazon QuickSight**
- E.Amazon Quantum Ledger Database (Amazon QLDB)

Answer: AD

Explanation:

The answer is AD.AWS Glue is a serverless data integration service that makes it easier to discover, prepare, move, and integrate data from multiple sources for analytics, machine learning (ML), and application development. Amazon Quick Sight powers data-driven organizations with unified business intelligence (BI) at hyperscale. With Quick Sight, all users can meet varying analytic needs from the same source of truth through modern interactive dashboards, paginated reports, embedded analytics, and natural language queries.

Reference:

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

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

CertyIQ

Question: 15

A global company wants to migrate its **third-party applications** to the AWS Cloud. The company wants help from a global team of experts to complete the migration faster and more reliably in accordance with AWS internal best practices.

Which AWS service or resource will meet these requirements?

- A.AWS Support
- B.AWS Professional Services**
- C.AWS Launch Wizard
- D.AWS Managed Services (AMS)

Answer: B

Explanation:

The Correct answer is B. The AWS Professional Services organization is a global team of experts that can help you realize your desired business outcomes when using the AWS Cloud. We work together with your team and your chosen member of the AWS Partner Network (APN) to execute your enterprise cloud computing initiatives.

Reference:

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

CertyIQ

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

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

Answer: D**Explanation:**

D - On-Demand Instances is correct. "On-Demand Instances are recommended for:

- Users that prefer the low cost and flexibility of EC2 without any upfront payment or long-term commitment
- Applications with short-term, spiky, or unpredictable workloads that cannot be interrupted
- Applications being developed or tested on EC2 for the first time"

 Reference:

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

CertyIQ

A developer wants to deploy an application quickly on AWS without manually creating the required resources. Which AWS service will meet these requirements?

- A.Amazon EC2
- B.AWS Elastic Beanstalk**
- C.AWS CodeBuild
- D.Amazon Personalize

Answer: B**Explanation:**

B - AWS Elastic Beanstalk is correct.

Deploy scalable web applications in minutes without the complexity of provisioning and managing underlying infrastructure.

Reference:

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

Question: 18

CertyIQ

A company is storing sensitive customer data in an Amazon S3 bucket. The company wants to protect the data from accidental deletion or overwriting.

Which S3 feature should the company use to meet these requirements?

- A.S3 Lifecycle rules
- B.S3 Versioning
- C.S3 bucket policies
- D.S3 server-side encryption

Answer: B

Explanation:

B - S3 Versioning is correct.

"Versioning-enabled buckets can help you recover objects from accidental deletion or overwrite.

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/Versioning.html>

Question: 19

CertyIQ

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:

The Correct answer is D.AWS Cloud Formation lets you model, provision, and manage AWS and third-party resources by treating infrastructure as code.

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

Question: 20

CertyIQ

An online gaming company needs to choose a purchasing option to run its Amazon EC2 instances for 1 year. The web traffic is consistent, and any increases in traffic are predictable. The EC2 instances must be online and available without any disruption.

Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

A.On-Demand Instances

B.Reserved Instances

C.Spot Instances

D.Spot Fleet

Answer: B

Explanation:

The Correct answer is B. Amazon EC2 Reserved Instances (RI) provide a significant discount (up to 72%) compared to On-Demand pricing and provide a capacity reservation when used in a specific Availability Zone. Terms (avg. discount off On-Demand) - 1yr (40%), 3yr (60%).

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

Question: 21

CertyIQ

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

Explanation:

The Correct answer is A. Create a dedicated network connection to AWS. The AWS Direct Connect cloud service is the shortest path to your AWS resources. While in transit, your network traffic remains on the AWS global network and never touches the public internet.

Reference:

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

Question: 22

CertyIQ

Which option is a **physical location** of the **AWS global infrastructure**?

A.AWS DataSync

B.AWS Region

C.Amazon Connect

D.AWS Organizations

Answer: B

Explanation:

The Correct answer is B.AWS has the concept of a Region, which is a physical location around the world where we cluster data centers. We call each group of logical data centers an Availability Zone. Each AWS Region

consists of a minimum of three, isolated, and physically separate AZs within a geographic area.

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

Question: 23

CertyIQ

A company wants to protect its AWS Cloud information, systems, and assets while performing risk assessment and mitigation tasks.

Which pillar of the AWS Well-Architected Framework is supported by these goals?

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

Answer: B

Explanation:

The Correct answer is B. Security - For Infrastructure Protection and Data Protection.

<https://abhi0751.medium.com/aws-cloud-adoption-framework-aws-caf-a512b89dbcba>

Question: 24

CertyIQ

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:

B is correct. "An internet gateway is a horizontally scaled, redundant, and highly available VPC component that allows communication between your VPC and the internet."

Reference:

https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html

Question: 25

CertyIQ

A company is running a monolithic on-premises application that does not scale and is difficult to maintain. The company has a plan to migrate the application to AWS and divide the application into microservices.

Which best practice of the AWS Well-Architected Framework is the company following with this plan?

- A.Integrate functional testing as part of AWS deployment.
- B.Use automation to deploy changes.

C.Deploy the application to multiple locations.

D.Implement loosely coupled dependencies.

Answer: D

Explanation:

The Correct answer is D. Dependencies such as queuing systems, streaming systems, workflows, and load balancers are loosely coupled. Loose coupling helps isolate behaviour of a component from other components that depend on it, increasing resiliency and agility.

https://docs.aws.amazon.com/wellarchitected/latest/framework/rel_prevent_interaction_failure_loosely_coupled_

Question: 26

CertyIQ

A company has an AWS account. The company wants to audit its password and access key rotation details for compliance purposes.

Which AWS service or tool will meet this requirement?

A.IAM Access Analyzer

B.AWS Artifact

C.IAM credential report

D.AWS Audit Manager

Answer: C

Explanation:

The Correct answer is C.You can use credential reports to assist in your auditing and compliance efforts. You can use the report to audit the effects of credential lifecycle requirements, such as password and access key updates. https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_getting-report.html

Question: 27

CertyIQ

A company wants to receive a notification when a specific AWS cost threshold is reached.

Which AWS services or tools can the company use to meet this requirement? (Choose two.)

A.Amazon Simple Queue Service (Amazon SQS)

B.AWS Budgets

C.Cost Explorer

D.Amazon CloudWatch

E.AWS Cost and Usage Report

Answer: BD

Explanation:

B. AWS Budgets: AWS Budgets is a service that allows you to set custom cost and usage budgets for your AWS resources. You can configure a budget with a specific threshold and define actions, such as sending notifications, when that threshold is reached.D. Amazon CloudWatch: Amazon CloudWatch is a monitoring service that can be used to collect and track metrics, logs, and events from various AWS resources. It

supports setting up alarms based on cost metrics, so you can create an alarm for a specific cost threshold and

configure it to send notifications when the threshold is breached.

Question: 28

CertyIQ

Which AWS service or resource provides answers to the most frequently asked security-related questions that AWS receives from its users?

- A.AWS Artifact
- B.Amazon Connect
- C.AWS Chatbot
- D.AWS Knowledge Center

Answer: D

Explanation:

1. Answer D is Correct. Key: "service or resource provides answers to the most frequently asked security-related questions"
2. The correct answer is D.AWS Official Knowledge Center articles and videos covering the most frequent questions and requests that we receive from AWS customers.

<https://repost.aws/knowledge-center>

Question: 29

CertyIQ

Which tasks are customer responsibilities, according to the AWS shared responsibility model? (Choose two.)

- A.Configure the AWS provided security group firewall.
- B.Classify company assets in the AWS Cloud.
- C.Determine which Availability Zones to use for Amazon S3 buckets.
- D.Patch or upgrade Amazon DynamoDB.
- E.Select Amazon EC2 instances to run AWS Lambda on.

Answer: AB

Explanation:

- A.Configure the AWS provided security group firewall.
- B.Classify company assets in the AWS Cloud.

Question: 30

CertyIQ

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

- A.Availability
- B.Reliability
- C.Scalability
- D.Responsive design

E.Operational excellence

Answer: BE

Explanation:

The Correct answer is BE.AWS Well-Architected helps cloud architects build secure, high-performing, resilient, and efficient infrastructure for a variety of applications and workloads. Built around six pillars – operational excellence, security, reliability, performance efficiency, cost optimization, and sustainability.

Question: 31

CertyIQ

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: A

Explanation:

The answer is A. Amazon Simple Notification Service (Amazon SNS) sends notifications two ways, A2A and A2P. A2A provides high-throughput, push-based, many-to-many messaging between distributed systems, microservices, and event-driven serverless applications. These applications include Amazon Simple Queue Service (SQS), Amazon Kinesis Data Firehose, AWS Lambda, and other HTTPS endpoints. A2P functionality lets you send messages to your customers with SMS texts, push notifications, and email.

Reference:

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

Question: 32

CertyIQ

A user needs programmatic access to AWS resources through the AWS CLI or the AWS API. Which option will provide the user with the appropriate access?

- A.Amazon Inspector
- B.Access keys
- C.SSH public keys
- D.AWS Key Management Service (AWS KMS) keys

Answer: B

Explanation:

The answer is B. "Access keys are long-term credentials for an IAM user or the AWS account root user. You can use access keys to sign programmatic requests to the AWS CLI or AWS API (directly or using the AWS SDK).

Reference:

Question: 33

A company runs thousands of simultaneous simulations using AWS Batch. Each simulation is stateless, is fault tolerant, and runs for up to 3 hours.

Which pricing model enables the company to optimize costs and meet these requirements?

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

Answer: B

Explanation:

Spot Instances are a good fit for stateless, fault-tolerant workloads that can be interrupted without any impact on the overall job.

Question: 34

What does the concept of agility mean in AWS Cloud computing? (Choose two.)

- A.The speed at which AWS resources are implemented**
- B.The speed at which AWS creates new AWS Regions
- C.The ability to experiment quickly**
- D.The elimination of wasted capacity
- E.The low cost of entry into cloud computing

Answer: AC

Explanation:

- A. The speed at which AWS resources are implemented.
- C. The ability to experiment quickly.

Question: 35

A company needs to block SQL injection attacks.

Which AWS service or feature can meet this requirement?

- A.AWS WAF**
- B.AWS Shield
- C.Network ACLs
- D.Security groups

Answer: A

Explanation:

The answer is A.AWS WAF helps you protect against common web exploits and bots that can affect availability, compromise security, or consume excessive resources.

Reference:

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

CertyIQ**Question: 36**

Which AWS service or feature identifies whether an **Amazon S3 bucket** or an **IAM role has** been shared with an external entity?

- A.AWS Service Catalog
- B.AWS Systems Manager
- C.AWS IAM Access Analyzer**
- D.AWS Organizations

Answer: C**Explanation:**

The answer is C.IAM Access Analyzer helps identify resources in your organization and accounts that are shared with an external entity.

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/what-is-access-analyzer.html>

CertyIQ**Question: 37**

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: B**Explanation:**

AWS Artifact is a portal that provides access to various compliance reports, including certifications, attestations, and other relevant documents. You can download these reports directly from AWS Artifact.

Reference:

<https://docs.aws.amazon.com/artifact/latest/ug/downloading-documents.html>

Question: 38

CertyIQ

An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud. Which cost is the company's direct responsibility?

- A.Cost of application software licenses
- B.Cost of the hardware infrastructure on AWS
- C.Cost of power for the AWS servers
- D.Cost of physical security for the AWS data center

Answer: A**Explanation:**

Correct answer is A:Cost of application software licenses.

Question: 39

CertyIQ

A company is setting up AWS Identity and Access Management (IAM) on an AWS account. Which recommendation complies with IAM security best practices?

- A.Use the account root user access keys for administrative tasks.
- B.Grant broad permissions so that all company employees can access the resources they need.
- C.Turn on multi-factor authentication (MFA) for added security during the login process.
- D.Avoid rotating credentials to prevent issues in production applications.

Answer: C**Explanation:**

Turn on multi-factor authentication (MFA) for added security during the login process. Enabling multi-factor authentication (MFA) for user accounts, especially for users with administrative or high-privilege access, is a crucial security best practice. MFA adds an additional layer of security by requiring users to provide two or more verification factors (typically something they know, like a password, and something they have, like a temporary MFA code from a hardware token or mobile app) before gaining access. This significantly reduces the risk of unauthorized access, even if login credentials are compromised.

Question: 40

CertyIQ

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 procured when they are needed

Answer: BE**Explanation:**

B.The ability to rightsize resources as demand shifts.

E.How easily resources can be procured when they are needed.

Question: 41

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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

Explanation:

Cloud Trail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. It records and logs all API calls made within your account, including who made them, when they were made, and which resources were affected.

Question: 42

CertyIQ

What is a customer responsibility when using AWS Lambda according to the AWS shared responsibility model?

- A.Managing the code within the Lambda function
- B.Confirming that the hardware is working in the data center
- C.Patching the operating system
- D.Shutting down Lambda functions when they are no longer in use

Answer: A

Explanation:

Managing the code within the Lambda function.

Question: 43

CertyIQ

A company has 5 TB of data stored in Amazon S3. The company plans to occasionally run queries on the data for analysis.

Which AWS service should the company use to run these queries in the MOST cost-effective manner?

- A.Amazon Redshift
- B.Amazon Athena
- C.Amazon Kinesis
- D.Amazon RDS

Answer: B

Explanation:

The answer is B. Amazon Athena is a serverless, interactive analytics service built on open-source frameworks, supporting open-table and file formats. Athena provides a simplified, flexible way to analyze petabytes of data where it lives. Analyze data or build applications from an Amazon Simple Storage Service (S3) data lake and 30 data sources, including on-premises data sources or other cloud systems using SQL or Python. Athena is built on open-source Trino and Presto engines and Apache Spark frameworks, with no provisioning or configuration effort required.

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

CertyIQ

Question: 44

Which AWS service can be used at **no additional cost?**

- A.Amazon SageMaker
- B.AWS Config
- C.AWS Organizations**
- D.Amazon CloudWatch

Answer: C

Explanation:

The answer is C.AWS Organizations is an account management service that enables you to consolidate multiple AWS accounts into an organization that you create and centrally manage. AWS Organizations is offered at no additional charge. You are charged only for AWS resources that users and roles in your member accounts use. For example, you are charged the standard fees for Amazon EC2 instances that are used by users or roles in your member accounts.

https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html

CertyIQ

Question: 45

Which AWS **Cloud Adoption Framework** (AWS CAF) capability belongs to the **people perspective?**

- A.Data architecture
- B.Event management
- C.Cloud fluency**
- D.Strategic partnership

Answer: C

Explanation:

The answer is C.Data architecture => PlatformEvent management => OperationsCloud fluency => PeopleStrategic partnership => Business.

<https://abhi0751.medium.com/aws-cloud-adoption-framework-aws-caf-a512b89dbcba>

CertyIQ

Question: 46

A company wants to make an **upfront** commitment for continued use of its production Amazon EC2 instances in exchange for a reduced overall cost.

Which pricing options meet these requirements with the **LOWEST cost**? (Choose two.)

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

Answer: CD

Explanation:

- C.Reserved Instances.
- D.Savings Plans.

Question: 47

CertyIQ

A company wants to migrate its on-premises relational databases to the AWS Cloud. The company wants to use infrastructure as close to its current **geographical location as possible**.

Which AWS service or resource should the company use to select its **Amazon RDS deployment area**?

- A.Amazon Connect
- B.AWS Wavelength
- C.AWS Regions
- D.AWS Direct Connect

Answer: C

Explanation:

Correct answer is C:AWS Regions.

Question: 48

CertyIQ

A company is **exploring** the use of the AWS Cloud, and needs to create a **cost estimate for a project** before the infrastructure is provisioned.

Which AWS service or feature can be used to estimate costs before deployment?

- A.AWS Free Tier
- B.AWS Pricing Calculator
- C.AWS Billing and Cost Management
- D.AWS Cost and Usage Report

Answer: B

Explanation:

The answer is B.AWS Pricing Calculator is a web-based planning tool that you can use to create estimates for your AWS use cases. You can use it to model your solutions before building them, explore the AWS service

price points, and review the calculations behind your estimates.

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/what-is-pricing-calculator.html>

Question: 49

CertyIQ

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

Explanation:

Deliver the content through Amazon CloudFront.

Question: 50

CertyIQ

Which option is a benefit of the economies of scale based on the advantages of cloud computing?

- A.The ability to trade variable expense for fixed expense
- B.Increased speed and agility
- C.Lower variable costs over fixed costs
- D.Increased operational costs across data centers

Answer: C

Explanation:

C seems to be correct. it is the only one that reflects cost benefits which are asked in the question. While A also mentioned cost it is contradicting the value of cloud which is trade capital expense for variable cost.

Question: 51

CertyIQ

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:

C. AWS Cloud Development Kit (AWS CDK) AWS CDK is a software development framework that enables developers to define infrastructure as code (IaC) using familiar programming languages like TypeScript, Python, Java, C#, and more. With AWS CDK, you can define cloud resources, their relationships, and provisioning logic in your preferred programming language. AWS CDK also generates CloudFormation templates based on your code, making it easier to manage and deploy infrastructure resources in AWS.

CertyIQ**Question: 52**

A company is developing an application that uses **multiple AWS services**. The application needs to use temporary, limited-privilege credentials for authentication with other AWS APIs.

Which AWS service or feature should the company use to meet these **authentication** requirements?

- A.Amazon API Gateway
- B.IAM users
- C.AWS Security Token Service (AWS STS)**
- D.IAM instance profiles

Answer: C**Explanation:**

C. AWS Security Token Service (AWS STS) AWS STS provides a way to grant temporary, limited-privilege credentials to users, applications, or services. These temporary credentials can be used to access AWS resources securely without having to use long-term access keys or IAM user credentials.

CertyIQ**Question: 53**

Which AWS service is a cloud **security posture management (CSPM)** service that aggregates alerts from various AWS services and partner products in a standardized format?

- A.AWS Security Hub**
- B.AWS Trusted Advisor
- C.Amazon EventBridge
- D.Amazon GuardDuty

Answer: A**Explanation:**

AWS Security Hub is a cloud security posture management (CSPM) service that performs automated, continuous security best practice checks against your AWS resources to help you identify misconfigurations, and aggregates your security alerts (i.e. findings) in a standardized format so that you can more easily enrich, investigate, and remediate them

Reference:

<https://aws.amazon.com/security-hub/features/?nc=sn&loc=2>

Question: 54

Which AWS service is always provided at no charge?

- A.Amazon S3
- B.AWS Identity and Access Management (IAM)
- C.Elastic Load Balancers
- D.AWS WAF

Answer: B

Explanation:

"IAM is a feature of your AWS account and is offered at no additional charge.

"Reference:

<https://aws.amazon.com/iam/getting-started/?nc=sn&loc=3>

Question: 55

To reduce costs, a company is planning to migrate a NoSQL database to AWS.

Which AWS service is fully managed and can automatically scale throughput capacity to meet database workload demands?

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

Answer: C

Explanation:

Correct answer is C" Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability.

Reference:

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

Question: 56

A company is using Amazon DynamoDB.

Which task is the company's responsibility, according to the AWS shared responsibility model?

- A.Patch the operating system.
- B.Provision hosts.
- C.Manage database access permissions.**
- D.Secure the operating system.

Answer: C

Explanation:

Correct answer is C:Manage database access permissions.

Question: 57**CertyIQ**

A company has a test AWS environment. A company is planning on testing an application within AWS. The application testing can be interrupted and does not need to run continuously.

Which Amazon EC2 purchasing option will meet these requirements MOST cost-effectively?

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

Answer: C**Explanation:**

Spot Instances are a good fit for stateless, fault-tolerant workloads that can be interrupted without any impact on the overall job.

Question: 58**CertyIQ**

Which AWS service gives users the ability to discover and protect sensitive data that is stored in Amazon S3 buckets?

- A.Amazon Macie**
- B.Amazon Detective
- C.Amazon GuardDuty
- D.AWS IAM Access Analyzer

Answer: A**Explanation:**

A. Amazon Macie Amazon Macie is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in Amazon S3. It helps you identify and protect data such as personally identifiable information (PII), financial information, intellectual property, and more by monitoring data access and alerting you to potential security risks.

Question: 59**CertyIQ**

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: AC

Explanation:

- A. Security groups
- C. Network ACLs

Security groups are stateful firewalls that control inbound and outbound traffic at the instance level. You can configure security groups to allow or deny specific types of network traffic to and from your instances. Network ACLs (Access Control Lists) are stateless firewalls that control traffic at the subnet level. Network ACLs define rules to allow or deny traffic based on source and destination IP addresses, ports, and protocols.

Question: 60

CertyIQ

Which AWS service can identify when an Amazon EC2 instance was terminated?

- A.AWS Identity and Access Management (IAM)
- B.AWS CloudTrail**
- C.AWS Compute Optimizer
- D.Amazon EventBridge

Answer: B

Explanation:

B. AWS CloudTrailAWS CloudTrail is a service that records all API activity in your AWS account, including the termination of EC2 instances. It creates log entries for various events, providing an audit trail of actions taken on resources. By reviewing CloudTrail logs, you can identify when an EC2 instance was terminated, who initiated the termination, and other relevant details about the event.

Question: 61

CertyIQ

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

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

Answer: D

Explanation:

D. Amazon Aurora Amazon Aurora is a relational database service that is compatible with MySQL and PostgreSQL. It is fully managed by AWS and is designed for high availability, performance, and scalability while maintaining MySQL compatibility. Aurora offers features like automated backups, read replicas, and seamless failover to ensure data durability and availability. It's a popular choice for applications that require a MySQL-compatible database with the benefits of a fully managed service.

Question: 62**CertyIQ**

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

- A.AWS Snowmobile
- B.AWS Local Zones
- C.AWS Outposts**
- D.AWS Fargate

Answer: C**Explanation:**

C. AWS Outposts AWS Outposts enables you to run AWS infrastructure and services on premises while seamlessly connecting to the AWS cloud. This service extends the AWS ecosystem to your on-premises locations, allowing you to take advantage of cloud benefits while addressing the requirements of data residency, low-latency applications, and specific regulatory needs in hybrid environments.

Question: 63**CertyIQ**

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**Explanation:**

C. Amazon RDS (Relational Database Service)Amazon RDS supports various database engines, including PostgreSQL, and offers a managed database service suitable for OLTP workloads. With Amazon RDS for PostgreSQL, you can easily set up, operate, and scale a PostgreSQL database without the administrative overhead of managing the infrastructure.

Question: 64**CertyIQ**

A company wants to provide managed Windows virtual desktops and applications to its remote employees over secure network connections.

Which AWS services can the company use to meet these requirements? (Choose two.)

- A.Amazon Connect
- B.Amazon AppStream 2.0
- C.Amazon WorkSpaces**
- D.AWS Site-to-Site VPN**
- E.Amazon Elastic Container Service (Amazon ECS)

Answer: CD

Explanation:

CD is right. Amazon AppStream 2.0 is a service for streaming desktop applications to a web browser, but it is different from full Windows virtual desktops provided by Amazon WorkSpaces.

CertyIQ

Question: 65

A company wants to monitor for misconfigured security groups that are allowing unrestricted access to specific ports.

Which AWS service will meet this requirement?

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

Answer: A

Explanation:

A. AWS Trusted Advisor AWS Trusted Advisor is a service that provides recommendations for optimizing your AWS infrastructure. It includes checks for security best practices, such as identifying security groups that have overly permissive rules, which would allow unrestricted access to specific ports. It offers guidance on how to address these misconfigurations.

CertyIQ

Question: 66

Which AWS service is a key-value database that provides sub-millisecond latency on a large scale?

- A.Amazon DynamoDB
- B.Amazon Aurora
- C.Amazon DocumentDB (with MongoDB compatibility)
- D.Amazon Neptune

Answer: A

Explanation:

Amazon DynamoDB is a nonrelational database that delivers reliable performance at any scale. It's a fully managed, multi-region, multi-master database that provides consistent single-digit millisecond latency, and offers built-in security, backup and restore, and in-memory caching.

CertyIQ

Question: 67

A company is deploying a machine learning (ML) research project that will require a lot of compute power over several months. The ML processing jobs do not need to run at specific times.

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

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

Answer: B

Explanation:

B. Spot Instances

Spot Instances are the most cost-effective option for workloads that can be flexible about when they run. They allow you to use spare Amazon EC2 capacity at a significantly lower price compared to On-Demand Instances. Spot Instances are ideal for workloads like batch processing, data analysis, and machine learning jobs that can be interrupted or scheduled flexibly.

CertyIQ

Question: 68

Which AWS services or features provide **disaster recovery** solutions for Amazon EC2 instances? (Choose two.)

- A.EC2 Reserved Instances
- B.EC2 Amazon Machine Images (AMIs)**
- C.Amazon Elastic Block Store (Amazon EBS) **snapshots**
- D.AWS Shield
- E.Amazon GuardDuty

Answer: BC

Explanation:

B. EC2 Amazon Machine Images (AMIs): AMIs are used to create backups of EC2 instances, and they can be used to launch replacement instances in the event of a disaster or data loss. AMIs are essential for creating recovery points for your EC2 instances.C. Amazon Elastic Block Store (Amazon EBS) snapshots: EBS snapshots allow you to create point-in-time backups of your EBS volumes. These snapshots can be used to restore data or create new EBS volumes, making them a key component of disaster recovery for EC2 instances.

CertyIQ

Question: 69

Which AWS service provides **command line access** to AWS tools and resources directly from a web browser?

- A.AWS CloudHSM
- B.AWS CloudShell**
- C.Amazon WorkSpaces
- D.AWS Cloud Map

Answer: B

Explanation:

B is correct" Using AWS Cloud Shell, a browser-based shell, you can quickly run scripts with the AWS

Command Line Interface (CLI), experiment with service APIs using the AWS CLI, and use other tools to increase your productivity. The Cloud Shell icon appears in AWS Regions where Cloud Shell is available."

Question: 70

CertyIQ

A network engineer needs to build a hybrid cloud architecture connecting on-premises networks to the AWS Cloud using AWS Direct Connect. The company has a few VPCs in a single AWS Region and expects to increase the number of VPCs to hundreds over time.

Which AWS service or feature should the engineer use to simplify and scale this connectivity as the VPCs increase in number?

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

Answer: B

Explanation:

BAWS Transit Gateway connects your Amazon Virtual Private Clouds (VPCs) and on-premises networks through a central hub. This connection simplifies your network and puts an end to complex peering relationships. Transit Gateway acts as a highly scalable cloud router — each new connection is made only once.

<https://aws.amazon.com/transit-gateway/>

Question: 71

CertyIQ

A company wants to assess its operational readiness. It also wants to identify and mitigate any operational risks ahead of a new product launch.

Which AWS Support plan offers guidance and support for this kind of event at no additional charge?

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

Answer: D

Explanation:

Correct answer is D:AWS Enterprise Support.

Question: 72

CertyIQ

A company wants to establish a schedule for rotating database user credentials.

Which AWS service will support this requirement with the LEAST amount of operational overhead?

- A.AWS Systems Manager
- B.AWS Secrets Manager**

- C.AWS License Manager
- D.AWS Managed Services

Answer: B

Explanation:

Correct answer is B:AWS Secrets Manager.

CertyIQ

Question: 73

Which AWS service or feature can be used to create a **private connection** between an on-premises workload and an AWS Cloud workload?

- A.Amazon Route 53
- B.Amazon Macie
- C.AWS Direct Connect**
- D.AWS PrivateLink

Answer: C

Explanation:

Answer is C.Direct connect is for private dedicated connection between on premise and AWS.PrivateLink is used when you communicate with third party VPC and it Requires a network load balancer (Service VPC) and ENI (Customer VPC)

AWS PrivateLink: Establish connectivity between VPCs and AWS services without exposing data to the internet
DirectConnect: Create a dedicated network connection to AWS.

CertyIQ

Question: 74

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

- A.AWS Certificate Manager
- B.AWS Systems Manager
- C.AWS KMS**
- D.AWS Config

Answer: C

Explanation:

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

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

Question: 75

A company wants to manage its AWS Cloud resources through a web interface. Which AWS service will meet this requirement?

- A.AWS Management Console
- B.AWS CLI
- C.AWS SDK
- D.AWS Cloud9

Answer: A**Explanation:**

Correct answer is A:AWS Management Console.

Question: 76

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

- A.Trade variable expenses for capital expenses
- B.High economies of scale
- C.Launch globally in minutes
- D.Focus on managing hardware infrastructure
- E.Overprovision to ensure capacity

Answer: BC**Explanation:**

B. Ability to quickly change required capacity: With the AWS Cloud, users can easily scale their infrastructure up or down based on demand. This flexibility allows for rapid adjustment of resources to match application needs, enabling cost optimization and efficient resource utilization.C. High economies of scale: AWS operates at a large scale, serving millions of customers globally. This scale allows AWS to achieve cost efficiencies and pass on the benefits to customers. By leveraging AWS services, users can access enterprise-grade infrastructure and services without the need for significant upfront investment in hardware or infrastructure.

Question: 77

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:**

The correct answer is D. High availability .

Reference:

<https://aws.amazon.com/marketplace/solutions/infrastructure-software/high-availability>

Question: 78

CertyIQ

A developer needs to maintain a development environment infrastructure and a production environment infrastructure in a repeatable fashion.

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

- A.AWS Ground Station
- B.AWS Shield
- C.AWS IoT Device Defender
- D.AWS CloudFormation

Answer: D

Explanation:

D. AWS CloudFormation "AWS CloudFormation lets you model, provision, and manage AWS and third-party resources by treating infrastructure as code."

Question: 79

CertyIQ

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: B

Explanation:

Configure firewalls and networks.

Question: 80

CertyIQ

Which AWS service helps deliver highly available applications with fast failover for multi-Region and Multi-AZ architectures?

- A.AWS WAF
- B.AWS Global Accelerator
- C.AWS Shield
- D.AWS Direct Connect

Answer: B

Explanation:

Correct answer is B:AWS Global Accelerator.

CertyIQ

Question: 81

A company has a set of ecommerce applications. The applications need to be able to send messages to each other. Which AWS service meets this requirement?

- A.AWS Auto Scaling
- B.Elastic Load Balancing
- C.Amazon Simple Queue Service (Amazon SQS)**
- D.Amazon Kinesis Data Streams

Answer: C

Explanation:

Amazon Simple Queue Service (SQS): SQS is a fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications. It allows one application to send messages to a queue, and another application to retrieve those messages from the queue. This can be helpful in scenarios where the sender and receiver are not required to interact with each other in real-time.

Question: 82

CertyIQ

What are the benefits of consolidated billing for AWS Cloud services? (Choose two.)

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

Answer: AC

Explanation:

- A. Volume discounts.
- C. One bill for multiple accounts.

Reference:

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

Question: 83

CertyIQ

A user wants to review all Amazon S3 buckets with ACLs and S3 bucket policies in the S3 console. Which AWS service or resource will meet this requirement?

- A.S3 Multi-Region Access Points
- B.S3 Storage Lens

C.AWS IAM Identity Center (AWS Single Sign-On)

D.Access Analyzer for S3

Answer: D

Explanation:

The correct answer is D. When reviewing an at-risk bucket in IAM Access Analyzer for S3, you can block all public access to the bucket with a single click. We recommend that you block all access to your buckets unless you require public access to support a specific use case. Before you block all public access, ensure that your applications will continue to work correctly without public access.

"IAM Access Analyzer for S3 might show that a bucket has read or write access provided through a bucket access control list (ACL), a bucket policy, a Multi-Region Access Point policy, or an access point policy...IAM Access Analyzer for S3 is available at no extra cost on the Amazon S3 console.

"Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/access-analyzer.html>

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/access-analyzer.html>

CertyIQ

Question: 84

What is the best resource for a user to find compliance-related information and reports about AWS?

- A.AWS Artifact
- B.AWS Marketplace
- C.Amazon Inspector
- D.AWS Support

Answer: A

Explanation:

AWS Artifact is your go-to, central resource for compliance-related information that matters to you. It provides on-demand access to security and compliance reports from AWS and ISVs who sell their products on AWS Marketplace."

Reference:

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

CertyIQ

Question: 85

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

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

Answer: A

Explanation:

Amazon CloudFront speeds up distribution of your static and dynamic web content, such as .html, .css, .php, image, and media files. When users request your content, CloudFront delivers it through a worldwide network of edge locations that provide low latency and high performance.

Reference:

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

CertyIQ

Question: 86

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

Explanation:

Correct answer is C:AWS Global Accelerator.

Reference:

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

CertyIQ

Question: 87

Which AWS service provides highly durable object storage?

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

Answer: A

Explanation:

S3 Standard offers high durability, availability, and performance object storage for frequently accessed data.

Reference:

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

Question: 88

CertyIQ

Which responsibility belongs to AWS when a company hosts its databases on Amazon EC2 instances?

- A.Database backups
- B.Database software patches
- C.Operating system patches
- D.Operating system installations

Answer: D**Explanation:**

Operating system installations is a correct answer.

Question: 89

CertyIQ

Which of the following are advantages of moving to the AWS Cloud? (Choose two.)

- A.The ability to turn over the responsibility for all security to AWS.
- B.The ability to use the pay-as-you-go model.
- C.The ability to have full control over the physical infrastructure.
- D.No longer having to guess what capacity will be required.
- E.No longer worrying about users access controls.

Answer: BD**Explanation:**

- B. The ability to use the pay-as-you-go model.
- D. No longer having to guess what capacity will be required.

Question: 90

CertyIQ

Which AWS service is a hybrid cloud storage service that provides on-premises users access to virtually unlimited cloud storage?

- A.AWS DataSync
- B.Amazon S3 Glacier
- C.AWS Storage Gateway
- D.Amazon Elastic Block Store (Amazon EBS)

Answer: C**Explanation:**

C. AWS Storage GatewayAWS Storage Gateway is a hybrid cloud storage service that enables on-premises applications to seamlessly access AWS Cloud-based storage. It provides a local cache for frequently accessed data to ensure low-latency access, while also storing data in the cloud for durability and scalability.

Question: 91

CertyIQ

A company plans to migrate to AWS and wants to create cost estimates for its AWS use cases. Which AWS service or tool can the company use to meet these requirements?

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

Answer: A**Explanation:**

AWS Pricing Calculator is a web-based planning tool that you can use to create estimates for your AWS use cases. You can use it to model your solutions before building them, explore the AWS service price points, and review the calculations behind your estimates. You can use it to help you plan how you spend, find cost saving opportunities, and make informed decisions when using Amazon Web Services.

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/what-is-pricing-calculator.html>

Question: 92

CertyIQ

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

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

Answer: A**Explanation:**

AWS Software Development Kit is a correct answer.

Question: 93

CertyIQ

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:**

The answer is C 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.

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

Question: 94

CertyIQ

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:

Correct answer is C:least privilege access.

Question: 95

CertyIQ

Which AWS service or tool can be used to **set up a firewall to control traffic going** into and coming out of an Amazon VPC **subnet?**

- A.Security group
- B.AWS WAF
- C.AWS Firewall Manager
- D.Network ACL**

Answer: D

Explanation:

Network ACLs are an optional layer of security that act as a firewall for controlling inbound and outbound traffic at the subnet level. [VPC_Security_Comparison](#)

Since we are on a subnet level, D is the correct answer. Network ACLs allow or deny inbound and outbound traffic at the subnet level. Security groups allow inbound and outbound traffic for associated resources, such as EC2 instances

https://docs.aws.amazon.com/vpc/latest/userguide/infrastructure-security.html#VPC_Security_Comparison

https://docs.aws.amazon.com/zh_tw/vpc/latest/userguide/VPC_Security.html#

Question: 96

CertyIQ

A company wants to operate a **data warehouse** to analyze data without managing the data warehouse infrastructure.

Which AWS service will meet this requirement?

- A.Amazon Aurora
- B.Amazon Redshift Serverless
- C.AWS Lambda
- D.Amazon RDS

Answer: B

Explanation:

Amazon Redshift Serverless makes it easy to run analytics workloads of any size without having to manage data warehouse infrastructure.

"Reference:

<https://aws.amazon.com/redshift/redshift-serverless/>

CertyIQ

Question: 97

How does AWS Cloud computing help businesses reduce costs? (Choose two.)

- A.AWS charges the same prices for services in every AWS Region.
- B.AWS enables capacity to be adjusted on demand.
- C.AWS offers discounts for Amazon EC2 instances that remain idle for more than 1 week.
- D.AWS does not charge for data sent from the AWS Cloud to the internet.
- E.AWS eliminates many of the costs of building and maintaining on-premises data centers.

Answer: BE

Explanation:

B.AWS enables capacity to be adjusted on demand.

E.AWS eliminates many of the costs of building and maintaining on-premises data centers.

CertyIQ

Question: 98

A company wants to grant users in one AWS account access to resources in another AWS account. The users do not currently have permission to access the resources.
Which AWS service will meet this requirement?

- A.IAM group
- B.IAM role
- C.IAM tag
- D.IAM Access Analyzer

Answer: B

Explanation:

Correct answer is B:IAM role.

Question: 99

CertyIQ

Which task is the responsibility of AWS when using AWS services?

- A.Management of IAM user permissions
- B.Creation of security group rules for outbound access
- C.Maintenance of physical and environmental controls**
- D.Application of Amazon EC2 operating system patches

Answer: C

Explanation:

The words: "Infrastructure" and "physical" are ALWAYS a good clue to AWS responsibility.

C is the answer.The words: "Infrastructure" and "physical" are ALWAYS a good clue to AWS responsibility.

Question: 100

CertyIQ

A company wants to automate infrastructure deployment by using infrastructure as code (IaC). The company wants to scale production stacks so the stacks can be deployed in multiple AWS Regions.
Which AWS service will meet these requirements?

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

Answer: D

Explanation:

AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code. A CloudFormation template describes your desired resources and their dependencies so you can launch and configure them together as a stack. You can use a template to create, update, and delete an entire stack as a single unit, as often as you need to, instead of managing resources individually. You can manage and provision stacks across multiple AWS accounts and AWS Regions.

Reference:

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

Question: 101

CertyIQ

Which option is an AWS Cloud Adoption Framework (AWS CAF) platform perspective capability?

- A.Data architecture
- B.Data protection
- C.Data governance
- D.Data science

Answer: A

Explanation:

A is the right answerPlatform perspective helps you build an enterprise-grade, scalable, hybrid cloud platform, modernize existing workloads, and implement new cloud-native solutions. This includes DATA ARCHITECTURE

<https://abhi0751.medium.com/aws-cloud-adoption-framework-aws-caf-a512b89dbcba>

CertyIQ

Question: 102

A company is running a workload in the AWS Cloud.

Which AWS best practice ensures the MOST cost-effective architecture for the workload?

- A. Loose coupling
- B. Rightsizing
- C. Caching
- D. Redundancy

Answer: B

Explanation:

Right sizing is the process of matching instance types and sizes to your workload performance and capacity requirements at the lowest possible cost.

<https://aws.amazon.com/aws-cost-management/aws-cost-optimization/right-sizing/#:~:text=Right%20sizing%20is%20the%20process,at%20the%20lowest%20possible%20cost.>

CertyIQ

Question: 103

A company is using a third-party service to back up 10 TB of data to a tape library. The on-premises backup server is running out of space. The company wants to use AWS services for the backups without changing its existing backup workflows.

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

- A. Amazon Elastic Block Store (Amazon EBS)
- B. AWS Storage Gateway
- C. Amazon Elastic Container Service (Amazon ECS)
- D. AWS Lambda

Answer: B

Explanation:

AWS Storage Gateway is a hybrid cloud storage service that gives you on-premises access to virtually unlimited cloud storage. Storage Gateway provides a standard set of storage protocols such as iSCSI, SMB, and NFS, which allow you to use AWS storage without rewriting your existing applications.

Question: 104

CertyIQ

Which AWS tool gives users the ability to plan their service usage, service costs, and instance reservations, and also allows them to set custom alerts when their costs or usage exceed established thresholds?

- A.Cost Explorer
- B.AWS Budgets
- C.AWS Cost and Usage Report
- D.Reserved Instance reporting

Answer: B**Explanation:**

1. B. AWS Budgets

2. The correct answer is B."Using AWS Budgets, you can set a budget that alerts you when you exceed (or are forecasted to exceed) your budgeted cost or usage amount. You can also set alerts based on your RI or Savings Plans Utilization and Coverage using AWS Budgets.

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

Question: 105

CertyIQ

Which tasks are the customer's responsibility, according to the AWS shared responsibility model? (Choose two.)

- A.Establish the global infrastructure.
- B.Perform client-side data encryption.
- C.Configure IAM credentials.
- D.Secure edge locations.
- E.Patch Amazon RDS DB instances.

Answer: BC**Explanation:**

- B.Perform client-side data encryption.
- C.Configure IAM credentials.

Question: 106

CertyIQ

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: AE

Explanation:

- A. Grant the developer access to only the AWS resources needed to perform the job.
- E. Ensure the account password policy requires a minimum length.

CertyIQ

Question: 107

A company has multiple AWS accounts that include compute workloads that cannot be interrupted. The company wants to obtain billing discounts that are based on the company's use of AWS services. Which AWS feature or purchasing option will meet these requirements?

- A.Resource tagging
- B.Consolidated billing
- C.Pay-as-you-go pricing
- D.Spot Instances

Answer: B

Explanation:

- B. Consolidated billing. Consolidated billing allows you to combine multiple AWS accounts and aggregate the usage and spending across those accounts. This simplifies billing and enables you to take advantage of volume discounts, which can lead to cost savings. Each account can still maintain its own resource tagging and pricing options, so it's possible to manage compute workloads in individual accounts as needed.

CertyIQ

Question: 108

A user wants to allow applications running on an Amazon EC2 instance to make calls to other AWS services. The access granted must be secure.

Which AWS service or feature should be used?

- A.Security groups
- B.AWS Firewall Manager
- C.IAM roles
- D.IAM user SSH keys

Answer: C

Explanation:

- C - IAM Roles. Roles are used to allow users or services access to other AWS resources.

CertyIQ

Question: 109

A company wants a fully managed Windows file server for its Windows-based applications. Which AWS service will meet this requirement?

- A.Amazon FSx

- B.Amazon Elastic Kubernetes Service (Amazon EKS)
- C.Amazon Elastic Container Service (Amazon ECS)
- D.Amazon EMR

Answer: A

Explanation:

Amazon FSx lets you easily and securely backup, archive, or replicate your on-premises file storage to AWS in order to meet regulatory, data retention, or disaster recovery requirements. Learn how to get started.
Choosing an Amazon FSx File System.

Question: 110

CertyIQ

A company wants to migrate its NFS on-premises workload to AWS.
Which AWS Storage Gateway type should the company use to meet this requirement?

- A.Tape Gateway
- B.Volume Gateway
- C.Amazon FSx File Gateway
- D.Amazon S3 File Gateway

Answer: D

Explanation:

Amazon S3 File Gateway provides a seamless way to connect to the cloud in order to store application data files and backup images as durable objects in Amazon S3 cloud storage. Amazon S3 File Gateway offers SMB or NFS-based access to data in Amazon S3 with local caching. It can be used for on-premises data-intensive Amazon EC2-based applications that need file protocol access to S3 object storage."

Reference:

<https://aws.amazon.com/storagegateway/file/s3/>

Question: 111

CertyIQ

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

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

Answer: C

Explanation:

CloudTrail enables auditing, security monitoring, and operational troubleshooting by tracking user activity and API usage. CloudTrail logs, continuously monitors, and retains account activity related to actions across your

AWS infrastructure, giving you control over storage, analysis, and remediation actions.

Reference:

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

CertyIQ

Question: 112

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

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

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

Answer: C

Explanation:

C - Savings Plans: "uninterruptible application" and "usage is expected to continue to grow for years." Company can commit to 1 or 3 year plan to obtain savings.

Savings Plans are a flexible pricing model that offer low prices on EC2 usage, in exchange for a commitment to a consistent amount of usage, measured in dollars per hour, for a term of 1 or 3 years. Savings Plans can reduce your EC2 costs by up to 72% compared to On-Demand price.

CertyIQ

Question: 113

A company wants an AWS service to provide product recommendations based on its customer data. Which AWS service will meet this requirement?

- A.Amazon Polly
- B.Amazon Personalize
- C.Amazon Comprehend
- D.Amazon Rekognition

Answer: B

Explanation:

Amazon Personalize accelerates your digital transformation with ML, making it easier to integrate personalized recommendations into existing websites, applications, email marketing systems, and more.

Reference:

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

Question: 114

CertyIQ

A company is planning its migration to the AWS Cloud. The company is identifying its capability gaps by using the AWS Cloud Adoption Framework (AWS CAF) perspectives.

Which phase of the cloud transformation journey includes these identification activities?

- A.Envision
- B.Align
- C.Scale
- D.Launch

Answer: B**Explanation:**

Align phase focuses on identifying capability gaps across the six AWS CAF perspectives, identifying cross-organizational dependencies, and surfacing stakeholder concerns and challenges.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/your-cloud-transformation-journey.html>

Question: 115

CertyIQ

A social media company wants to protect its web application from common web exploits such as SQL injections and cross-site scripting.

Which AWS service will meet these requirements?

- A.Amazon Inspector
- B.AWS WAF
- C.Amazon GuardDuty
- D.Amazon CloudWatch

Answer: B**Explanation:**

AWS WAF is a web application firewall that helps protect web applications from attacks by allowing you to configure rules that allow, block, or monitor (count) web requests based on conditions that you define. These conditions include IP addresses, HTTP headers, HTTP body, URL strings, SQL injection and cross-site scripting.

References:

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

Question: 116

CertyIQ

Which fully managed AWS service assists with the creation, testing, and management of custom Amazon EC2 images?

- A.EC2 Image Builder
- B.Amazon Machine Image (AMI)

- C.AWS Launch Wizard
- D.AWS Elastic Beanstalk

Answer: A

Explanation:

EC2 Image Builder simplifies the creation, maintenance, validation, sharing, and deployment of Linux or Windows images for use with Amazon EC2 and on-premises.

Reference:

<https://aws.amazon.com/image-builder/faqs/>

CertyIQ

Question: 117

A company wants an automated process to continuously scan its Amazon EC2 instances for software vulnerabilities.

Which AWS service will meet these requirements?

- A.Amazon GuardDuty
- B.Amazon Inspector
- C.Amazon Detective
- D.Amazon Cognito

Answer: B

Explanation:

Amazon Inspector is an automated vulnerability management service that continually scans Amazon Elastic Compute Cloud (EC2), AWS Lambda functions, and container workloads for software vulnerabilities and unintended network exposure.

Reference:

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

CertyIQ

Question: 118

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

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

Answer: B

Explanation:

AWS service for a workload that needs to be processed once a week for about 5 hours is Amazon EC2.AWS Lambda is a serverless computing service that runs your code without provisioning or managing servers.

However, Lambda functions have a maximum execution time of 15 minutes. Therefore, Lambda is not suitable for workloads that need to run for longer than 15 minutes. Amazon EC2 is a scalable computing service that provides instances with varying capabilities and pricing options. You can choose an EC2 instance that is right for your data processing job and then terminate the instance when the job is complete. This will help you to save money on your AWS bill.

CertyIQ

Question: 119

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

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

Answer: C

Explanation:

The correct answer is C.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 logs data can be published to either Amazon CloudWatch Logs or Amazon S3. You can monitor your VPC flow logs to gain operational visibility about your network dependencies and traffic patterns, detect anomalies and prevent data leakage, or troubleshoot network connectivity and configuration issues.

<https://aws.amazon.com/vpc/faqs/#:~:text=VPC%20flow%20logs%20is%20a,network%20interfaces%20in%20you>

Question: 120

CertyIQ

A company wants to design a centralized storage system to manage the configuration data and passwords for its critical business applications.

Which AWS service or capability will meet these requirements MOST cost-effectively?

- A.AWS Systems Manager Parameter Store
- B.AWS Secrets Manager
- C.AWS Config
- D.Amazon S3

Answer: A

Explanation:

"Parameter Store, a capability of AWS Systems Manager, provides secure, hierarchical storage for configuration data management and secrets management. You can store data such as passwords, database strings, Amazon Machine Image (AMI) IDs, and license codes as parameter values.

Reference:

<https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-parameter-store.html>

Question: 121

CertyIQ

A company plans to deploy containers on AWS. The company wants full control of the compute resources that host the containers. Which AWS service will meet these requirements?

- A.Amazon Elastic Kubernetes Service (Amazon EKS)
- B.AWS Fargate
- C.Amazon EC2
- D.Amazon Elastic Container Service (Amazon ECS)

Answer: D**Explanation:**

Correct answer is D:Amazon Elastic Container Service (Amazon ECS).

Question: 122

CertyIQ

Which AWS service or feature allows users to create new AWS accounts, group multiple accounts to organize workflows, and apply policies to groups of accounts?

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

Answer: D**Explanation:**

AWS Organizations provides you with the capability to centrally manage and govern your cloud environment. You can manage and organize your accounts under a single bill, set central policies and configuration requirements for your entire organization, create custom permissions or capabilities within the organization, and delegate responsibilities to other accounts so they can manage on behalf of the organization.

Reference:

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

Question: 123

CertyIQ

A company wants to store and retrieve files in Amazon S3 for its existing on-premises applications by using industry-standard file system protocols.

Which AWS service will meet these requirements?

- A.AWS DataSync
- B.AWS Snowball Edge
- C.Amazon S3 File Gateway
- D.AWS Transfer Family

Answer: C**Explanation:**

Amazon S3 File Gateway provides a seamless way to connect to the cloud in order to store application data files and backup images as durable objects in Amazon S3 cloud storage. Amazon S3 File Gateway offers SMB or NFS-based access to data in Amazon S3 with local caching. It can be used for on-premises data-intensive Amazon EC2-based applications that need file protocol access to S3 object storage."

Reference:

<https://aws.amazon.com/storagegateway/file/s3/>

CertyIQ

Question: 124

A company wants to block SQL injection attacks.

Which AWS service or feature should the company use to meet this requirement?

- A.AWS WAF
- B.Network ACLs
- C.Security groups
- D.AWS Certificate Manager (ACM)

Answer: A

Explanation:

AWS WAF is a web application firewall that helps protect web applications from attacks by allowing you to configure rules that allow, block, or monitor (count) web requests based on conditions that you define. These conditions include IP addresses, HTTP headers, HTTP body, URI strings, SQL injection and cross-site scripting."

References:

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

CertyIQ

Question: 125

A company wants a unified tool to provide a consistent method to interact with AWS services.

Which AWS service or tool will meet this requirement?

- A.AWS CLI
- B.Amazon Elastic Container Service (Amazon ECS)
- C.AWS Cloud9
- D.AWS Virtual Private Network (AWS VPN)

Answer: A

Explanation:

The AWS Command Line Interface (AWS CLI) is a unified tool to manage your AWS services. With just one tool to download and configure, you can control multiple AWS services from the command line and automate them through scripts.

Reference:

Question: 126

A company needs to evaluate its AWS environment and provide best practice recommendations in five categories: cost, performance, service limits, fault tolerance and security.

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

- A.AWS Shield
- B.AWS WAF
- C.AWS Trusted Advisor
- D.AWS Service Catalog

Answer: C

Explanation:

Correct answer is C:AWS Trusted Advisor.

Question: 127

Which perspective in the AWS Cloud Adoption Framework (AWS CAF) includes capabilities for configuration management and patch management?

- A.Platform
- B.Operations
- C.Security
- D.Governance

Answer: B

Explanation:

AWS CAF Operations perspective capabilities• Observability• Event management (AIOps)• Incident and problem management• Change and release management• Performance and capacity management• Configuration management• Patch management• Availability and continuity management• Application management.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/operations-perspective.html>

Question: 128

A company has a compute workload that is steady, predictable, and uninterruptible.

Which Amazon EC2 instance purchasing options meet these requirements MOST cost-effectively? (Choose two.)

- A.On-Demand Instances
- B.Reserved Instances

- C.Spot Instances
- D.Saving Plans
- E.Dedicated Hosts

Answer: BD

Explanation:

- B. Reserved Instances.
- D. Saving Plans.

CertyIQ

Question: 129

Which Amazon EC2 pricing model is the MOST cost efficient for an uninterrupted 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/>

CertyIQ

Question: 130

Which option is a shared responsibility between AWS and its customers under the AWS shared responsibility model?

- A.Configuration of Amazon EC2 instance operating systems
- B.Application file system server-side encryption
- C.Patch management
- D.Security of the physical infrastructure

Answer: C

Explanation:

Correct answer is C:Patch management.

Shared Controls "AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications."

Question: 131

A company wants to migrate its on-premises workloads to the AWS Cloud. The company wants to separate workloads for chargeback to different departments.

Which AWS services or features will meet these requirements? (Choose two.)

- A.Placement groups
- B.Consolidated billing
- C.Edge locations
- D.AWS Config
- E.Multiple AWS accounts

Answer: BE**Explanation:**

B. Consolidated Billing Consolidated billing is a feature of AWS Organizations that allows you to combine billing for multiple AWS accounts. With consolidated billing, each department can have its own AWS account for tracking and managing its resources separately, while the company enjoys the convenience of a single payment method for all these accounts. This setup makes it easier to track costs and implement chargeback mechanisms.

E. Multiple AWS Accounts Creating multiple AWS accounts, one for each department, is an effective way to segregate resources, manage permissions, and track costs separately. This approach enhances security by limiting the scope of access and impact of changes, and it simplifies the process of attributing costs to the right department. Combined with consolidated billing, it provides both organizational flexibility and centralized financial control.

Question: 132

Which task is a responsibility of AWS, according to the AWS shared responsibility model?

- A.Enable client-side encryption for objects that are stored in Amazon S3.
- B.Configure IAM security policies to comply with the principle of least privilege.
- C.Patch the guest operating system on an Amazon EC2 instance.
- D.Apply updates to the Nitro Hypervisor.

Answer: D**Explanation:**

"AWS responsibility "Security of the Cloud" - AWS is responsible for protecting the infrastructure that runs all of the services offered in the AWS Cloud. This infrastructure is composed of the hardware, software, networking, and facilities that run AWS Cloud services.

"Reference:

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

Question: 133

Which option is a benefit of using AWS for cloud computing?

- A.Trade variable expense for fixed expense
- B.Pay-as-you-go pricing
- C.Decreased speed and agility
- D.Spending money running and maintaining data centers

Answer: B**Explanation:**

The answer is given in the doc "Six advantages of cloud computing." The benefit from massive economies of scale is pay-as-you-go pricing.

Reference:

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

go.

Question: 134

Which option is an AWS Cloud Adoption Framework (AWS CAF) business perspective capability?

- A.Culture evolution
- B.Event management
- C.Data monetization
- D.Platform architecture

Answer: C**Explanation:**

Correct answer is C:Data monetization.

Question: 135

A company is assessing its AWS Business Support plan to determine if the plan still meets the company's needs. The company is considering switching to AWS Enterprise Support.

Which additional benefit will the company receive with AWS Enterprise Support?

- A.A full set of AWS Trusted Advisor checks
- B.Phone, email, and chat access to cloud support engineers 24 hours a day, 7 days a week
- C.A designated technical account manager (TAM) to assist in monitoring and optimization
- D.A consultative review and architecture guidance for the company's applications

Answer: C**Explanation:**

A designated technical account manager (TAM) to assist in monitoring and optimization.

Question: 136**CertyIQ**

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**Explanation:**

Correct answer is C:Spot Instances.

Question: 137**CertyIQ**

Which options are AWS Cloud Adoption Framework (AWS CAF) security perspective capabilities? (Choose two.)

- A.Observability
- B.Incident and problem management
- C.Incident response
- D.Infrastructure protection
- E.Availability and continuity

Answer: CD**Explanation:**

C .Incident response.

D. Infrastructure protection.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/security-perspective.html>

Question: 138**CertyIQ**

A company wants to run its workload on Amazon EC2 instances for more than 1 year. This workload will run continuously.

Which option offers a discounted hourly rate compared to the hourly rate of On-Demand Instances?

- A.AWS Graviton processor
- B.Dedicated Hosts
- C.EC2 Instance Savings Plans
- D.Amazon EC2 Auto Scaling instances

Answer: C

Explanation:

EC2 Instance Savings Plans is a correct answer.

CertyIQ

Question: 139

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

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

Answer: B

Explanation:

Correct answer is B:Elasticity.

CertyIQ

Question: 140

Which AWS services can a company use to achieve a loosely coupled architecture? (Choose two.)

- A.Amazon WorkSpaces
- B.Amazon Simple Queue Service (Amazon SQS)
- C.Amazon Connect
- D.AWS Trusted Advisor
- E.AWS Step Functions

Answer: BE

Explanation:

B. Amazon Simple Queue Service (Amazon SQS):** SQS is a fully managed message queuing service that enables decoupling of the components in a distributed system. It allows components to communicate asynchronously, promoting loose coupling. E. AWS Step Functions:** Step Functions is a serverless function orchestrator that allows you to coordinate multiple AWS services into serverless workflows. It helps in creating loosely coupled, flexible systems by defining workflows that connect various services.

CertyIQ

Question: 141

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:**

A. AWS Budgets is the AWS Cloud service that allows users to set custom spending thresholds and receive alerts when those thresholds are exceeded. It helps users to keep track of their AWS spending by providing notifications based on their budget limits.

CertyIQ**Question: 142**

A company plans to migrate to the AWS Cloud. The company wants to use the AWS Cloud Adoption Framework (AWS CAF) to define and track business outcomes as part of its cloud transformation journey.

Which AWS CAF governance perspective capability will meet these requirements?

- A.Benefits management
- B.Risk management
- C.Application portfolio management
- D.Cloud financial management

Answer: A**Explanation:**

The correct answer is A. Benefits management.

The Benefits management capability of the AWS CAF governance perspective is specifically designed to help organizations define, measure, and track the business outcomes they expect to achieve from their cloud adoption initiatives. This includes identifying and quantifying the expected benefits, establishing clear ownership and responsibility for achieving those benefits, and establishing processes and metrics to track progress and measure success.

CertyIQ**Question: 143**

A company needs to quickly and securely move files over long distances between its client and an Amazon S3 bucket.

Which S3 feature will meet this requirement?

- A.S3 Versioning
- B.S3 Transfer Acceleration
- C.S3ACLs
- D.S3 Intelligent-Tiering

Answer: B**Explanation:**

B. S3 Transfer AccelerationS3 Transfer Acceleration is a feature that utilizes Amazon Cloud Front's globally distributed edge locations to accelerate the upload of objects to an S3 bucket. It optimizes data transfer by using Amazon's backbone network, reducing latency and improving speeds when transferring files over long distances.

Question: 144**CertyIQ**

A company needs to continuously run an experimental workload on an Amazon EC2 instance and stop the instance after 12 hours.

Which instance purchasing option will meet this requirement MOST cost-effectively?

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

Answer: A**Explanation:**

Correct answer is A:On-Demand Instances.

Question: 145**CertyIQ**

Which cloud transformation journey phase of the AWS Cloud Adoption Framework (AWS CAF) focuses on demonstrating how the cloud helps accelerate business outcomes?

- A.Scale
- B.Envision
- C.Align
- D.Launch

Answer: B**Explanation:**

B is correct Envision – demonstrate how the Cloud will accelerate business outcomes by identifying transformation opportunities and create a foundation for your digital transformation.

Question: 146**CertyIQ**

Which option is a customer responsibility under the AWS shared responsibility model?

- A.Maintenance of underlying hardware of Amazon EC2 instances
- B.Application data security
- C.Physical security of data centers
- D.Maintenance of VPC components

Answer: B**Explanation:**

Correct answer is B:Application data security.

Question: 147**CertyIQ**

A company wants its Amazon EC2 instances to operate in a highly available environment, even if there is a natural disaster in a particular geographic area.

Which approach will achieve this goal?

- A.Use EC2 instances in multiple AWS Regions.
- B.Use EC2 instances in multiple Amazon CloudFront locations.
- C.Use EC2 instances in multiple edge locations.
- D.Use EC2 instances in AWS Local Zones.

Answer: A**Explanation:**

Use EC2 instances in multiple AWS Regions.

Question: 148**CertyIQ**

A company wants to modernize and convert a monolithic application into microservices. The company wants to move the application to AWS.

Which migration strategy should the company use?

- A.Rehost
- B.Replatform
- C.Repurchase
- D.Refactor

Answer: D**Explanation:**

Correct answer is D:Refactor.

Question: 149**CertyIQ**

A systems administrator created a new IAM user for a developer and assigned the user an access key instead of a user name and password. What is the access key used for?

- A.To access the AWS account as the AWS account root user
- B.To access the AWS account through the AWS Management Console
- C.To access the AWS account through a CLI
- D.To access all of a company's AWS accounts

Answer: C**Explanation:**

To access the AWS account through a CLI.

Question: 150**CertyIQ**

Which option is an environment that consists of one or more data centers?

- A.Amazon CloudFront
- B.Availability Zone
- C.VPC
- D.AWS Outposts

Answer: B**Explanation:**

An availability zone consists of multiple data centers, which are all equipped with independent power, cooling and networking infrastructure all housed in separate facilities. A region can have multiple availability zones, but no availability zones are shared with different regions.<https://www.techtarget.com/searchaws/definition/availability-zones#:~:text=An%20availability%20zone%20consists%20of,are%20shared%20with%20different%20regions.>

Question: 151**CertyIQ**

A company is moving an on-premises data center to the AWS Cloud. The company must migrate **50 petabytes** of file storage data to AWS with the least possible operational overhead.

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

- A.AWS Snowmobile
- B.AWS Snowball Edge
- C.AWS Data Exchange
- D.AWS Database Migration Service (AWS DMS)

Answer: A**Explanation:**

Correct answer is A:AWS Snowmobile.

Question: 152**CertyIQ**

A company has an application with robust hardware requirements. The application must be accessed by students who are using **lightweight, low-cost laptops**.

Which AWS service will help the company deploy the application without investing in backend infrastructure or high-end client hardware?

- A.Amazon AppStream 2.0
- B.AWS AppSync
- C.Amazon WorkLink
- D.AWS Elastic Beanstalk

Answer: A

Explanation:

The correct answer is A. Amazon AppStream 2.0.

Amazon AppStream 2.0 is a cloud-based desktop streaming service that allows companies to deploy applications and desktops to any device, including lightweight laptops. AppStream 2.0 handles all of the application's processing and graphics power, so students only need a web browser on their device.

CertyIQ

Question: 153

A company wants to query its **server logs** to gain insights about its customers' experiences.

Which AWS service will store this data MOST cost-effectively?

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

Answer: D

Explanation:

Correct answer is D:Amazon S3.

CertyIQ

Question: 154

Which of the following is a recommended **design principle** for AWS Cloud **architecture**?

- A.Design tightly coupled components.
- B.Build a single application component that can handle all the application functionality.
- C.Make large changes on fewer iterations to reduce chances of failure.
- D.Avoid monolithic **architecture** by segmenting workloads.

Answer: D

Explanation:

Avoid monolithic architecture by segmenting workloads.

CertyIQ

Question: 155

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

- A.**AWS CloudTrail**
- B.Amazon Inspector
- C.AWS WAF
- D.AWS Config

Answer: A**Explanation:**

AWS CloudTrail, you can monitor your AWS deployments in the cloud by getting a history of AWS API calls for your account, including API calls made by using the AWS Management Console, the AWS SDKs, the command line tools, and higher-level AWS services. You can also identify which users and accounts called AWS APIs for services that support CloudTrail, the source IP address from which the calls were made, and when the calls occurred. You can integrate CloudTrail into applications using the API, automate trail creation for your organization, check the status of your trails, and control how administrators turn CloudTrail logging on and off.

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

CertyIQ**Question: 156**

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

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

Answer: A**Explanation:**

Management of the guest operating systems.

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

CertyIQ**Question: 157**

A company wants to **automatically add** and remove Amazon EC2 instances. The company wants the EC2 instances to adjust to varying workloads dynamically.

Which service or feature will meet these requirements?

- A.Amazon DynamoDB
- B.Amazon EC2 Spot Instances
- C.AWS Snow Family
- D.**Amazon EC2 Auto Scaling**

Answer: D**Explanation:**

Correct answer is D:Amazon EC2 Auto Scaling.

CertyIQ**Question: 158**

A user wants to **securely** automate the management and **rotation** of credentials that are shared between applications, while spending the least amount of time on managing tasks.

Which AWS service or feature can be used to accomplish this?

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

Answer: C

Explanation:

AWS Secrets Manager makes it easier to rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle.

CertyIQ

Question: 159

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:

Correct answer is B:Amazon Macie.

CertyIQ

Question: 160

Which actions are best practices for an **AWS** account **root user?** (Choose two.)

- A.Share root user credentials with team members.
- B.Create multiple root users for the account, separated by environment.
- C.Enable multi-factor authentication (**MFA**) on the root user.
- D.Create an IAM user** with administrator privileges for daily administrative tasks, instead of using the root user.
- E.Use programmatic access instead of the root user and password.

Answer: CD

Explanation:

- C. Enable multi-factor authentication (MFA) on the root user.
- D. Create an IAM user with administrator privileges for daily administrative tasks, instead of using the root user.

Question: 161

CertyIQ

A company is running a critical workload on an Amazon RDS DB instance. The company needs the DB instance to be highly available with a recovery time of less than 5 minutes.

Which solution will meet these requirements?

- A.Create a read replica of the DB instance.
- B.Create a template of the DB instance by using AWS CloudFormation.
- C.Take frequent snapshots of the DB instance. Store the snapshots in Amazon S3.
- D.Modify the DB instance to be a Multi-AZ deployment.

Answer: D**Explanation:**

Modify the DB instance to be a Multi-AZ deployment.

Question: 162

CertyIQ

A company plans to migrate its application to AWS and run the application on Amazon EC2 instances. The application will have continuous usage for **1 year**.

Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

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

Answer: A**Explanation:**

Correct answer is A:Reserved Instances.

Question: 163

CertyIQ

A company needs to transfer data between an **Amazon S3 bucket** and an **on-premises application**.

Who is responsible for the security of this data, according to the AWS shared responsibility model?

- A.The **company**
- B.AWS
- C.Firewall vendor
- D.AWS Marketplace partner

Answer: A**Explanation:**

Correct answer is A:The company.

Question: 164

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

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

Answer: B**Explanation:**

Correct answer is B:Reliability.

Question: 165

A company wants to identify Amazon S3 buckets that are shared with another AWS account.

Which AWS service or feature will meet these requirements?

- A.AWS Lake Formation
- B.IAM credential report
- C.Amazon CloudWatch
- D.IAM Access Analyzer**

Answer: D**Explanation:**

D is correct "IAM Access Analyzer:• Find out which resources are shared externally• S3 Buckets• IAM Roles• KMS Keys• Lambda Functions and Layers• SQS queues• Secrets Manager Secrets"

Question: 166

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

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

Answer: C**Explanation:**

Correct answer is C:Amazon QuickSight.

Question: 167

CertyIQ

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

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

Answer: B**Explanation:**

Correct answer is B:Resource elasticity.

Question: 168

CertyIQ

Which action is a security best practice for access to sensitive data that is stored in an Amazon S3 bucket?

- A.Enable S3 Cross-Region Replication (CRR) on the S3 bucket.
- B.Use IAM roles for applications that require access to the S3 bucket.
- C.Configure AWS WAF to prevent unauthorized access to the S3 bucket.
- D.Configure Amazon GuardDuty to prevent unauthorized access to the S3 bucket.

Answer: B**Explanation:**

Use IAM roles for applications that require access to the S3 bucket.

Question: 169

CertyIQ

A company wants to know more about the benefits offered by cloud computing. The company wants to understand the operational advantage of agility. How does AWS provide agility for users?

- A.The ability to ensure high availability by deploying workloads to multiple regions
- B.A pay-as-you-go model for many services and resources
- C.The ability to transfer infrastructure management to the AWS Cloud
- D.The ability to provision and deprovision resources quickly with minimal effort**

Answer: D**Explanation:**

D. The ability to provision and deprovision resources quickly with minimal effortThe agility provided by AWS is closely tied to the ability to provision and deprovision resources rapidly. AWS allows users to scale their infrastructure up or down based on demand, enabling them to quickly deploy new resources when needed and release them when no longer necessary. This flexibility and speed in resource management contribute to operational agility, allowing companies to respond more efficiently to changing business requirements.

Question: 170

A company needs a central user portal so that users can log in to third-party business applications that support Security Assertion Markup Language (SAML) 2.0.

Which AWS service will meet this requirement?

- A.AWS Identity and Access Management (IAM)
- B.Amazon Cognito
- C.**AWS IAM Identity Center** (AWS Single Sign-On)
- D.AWS CLI

Answer: C**Explanation:**

AWS IAM Identity Center (AWS Single Sign-On).

Question: 171

Which AWS service should users use to learn about AWS service availability and operations?

- A.Amazon EventBridge
- B.**AWS Service Catalog**
- C.AWS Control Tower
- D.AWS Health Dashboard

Answer: B**Explanation:**

Correct answer is B:AWS Service Catalog.

Question: 172

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

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

Answer: A**Explanation:**

Correct answer is A:VPC Flow Logs.

Question: 173

CertyIQ

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

- A.Software licenses
- B.Networking
- C.Customer data
- D.Encryption keys

Answer: C**Explanation:**

Correct answer is C:Customer data.

Question: 174

CertyIQ

Which AWS service can be used to retrieve compliance reports on demand?

- A.AWS Secrets Manager
- B.AWS Artifact
- C.AWS Security Hub
- D.AWS Certificate Manager

Answer: B**Explanation:**

Correct answer is B:AWS Artifact.

Question: 175

CertyIQ

Which AWS service enables users to check for vulnerabilities on Amazon EC2 instances by using predefined assessment templates?

- A.AWS WAF
- B.AWS Trusted Advisor
- C.Amazon Inspector
- D.AWS Shield

Answer: C**Explanation:**

Correct answer is C:Amazon Inspector.

Question: 176

CertyIQ

A company plans to migrate to the AWS Cloud. The company is gathering information about its on-premises infrastructure and requires information such as the hostname, IP address, and MAC address.

Which AWS service will meet these requirements?

- A.AWS DataSync
- B.AWS Application Migration Service
- C.AWS Application Discovery Service
- D.AWS Database Migration Service (AWS DMS)

Answer: C

Explanation:

AWS Application Discovery Service collects both server and database configuration information. Server information includes hostnames, IP addresses, MAC addresses, as well as the resource allocation and utilization details of key resources such as CPU, network, memory, and disk.

Question: 177

CertyIQ

Which action will help increase security in the AWS Cloud?

- A.Enable programmatic access for all IAM users.
- B.Use IAM users instead of IAM roles to delegate permissions.
- C.Rotate access keys on a reoccurring basis.
- D.Use inline policies instead of customer managed policies.

Answer: C

Explanation:

C. Rotate access keys on a reoccurring basis.

Question: 178

CertyIQ

A company is planning to migrate its application to the AWS Cloud.

Which AWS tool or set of resources should the company use to analyze and assess its readiness for migration?

- A.AWS Cloud Adoption Framework (AWS CAF)
- B.AWS Pricing Calculator
- C.AWS Well-Architected Framework
- D.AWS Budgets

Answer: C

Explanation:

AWS Well-Architected Framework.

Question: 179

CertyIQ

Which of the following describes some of the **core functionality** of Amazon S3?

- A.Amazon S3 is a high-performance block storage service that is designed for use with Amazon EC2.
- B.Amazon S3 is an **object storage** service that provides **high-level performance**, security, scalability, and data availability.
- C.Amazon S3 is a fully managed, highly reliable, and scalable file storage system that is accessible over the industry-standard SMB protocol.
- D.Amazon S3 is a scalable, fully managed elastic NFS for use with AWS Cloud services and on-premises resources.

Answer: B

Explanation:

Amazon S3 is an object storage service that provides high-level performance, security, scalability, and data availability.

Question: 180

CertyIQ

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

Explanation:

Correct answer is C:Pay-as-you-go pricing.

Question: 181

CertyIQ

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: AC

Explanation:

- A.AWS VPN.
- C.AWS Direct Connect.

Question: 182

CertyIQ

A user needs to quickly deploy a nonrelational database on AWS. The user does not want to manage the underlying hardware or the database software.

Which AWS service can be used to accomplish this?

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

Answer: B**Explanation:**

Correct answer is B:Amazon DynamoDB.

Question: 183

CertyIQ

Which actions are examples of a company's effort to rightsize its AWS resources to control cloud costs? (Choose two.)

- A.Switch from Amazon RDS to Amazon DynamoDB to accommodate NoSQL datasets.
- B.**Base the selection of Amazon EC2 instance types on past utilization patterns.
- C.Use Amazon S3 Lifecycle policies to move objects that users access infrequently to lower-cost storage tiers.
- D.**Use Multi-AZ deployments for Amazon RDS.
- E.Replace existing Amazon EC2 instances with AWS Elastic Beanstalk.

Answer: BC**Explanation:**

- B. Base the selection of Amazon EC2 instance types on past utilization patterns.
- C. Use Amazon S3 Lifecycle policies to move objects that users access infrequently to lower-cost storage tiers.

Question: 184

CertyIQ

Which AWS service or feature can a company use to apply security rules to specific Amazon EC2 instances?

- A.Network ACLs
- B.**Security groups
- C.AWS Trusted Advisor
- D.AWS WAF

Answer: B**Explanation:**

Correct answer is B:Security groups.

Question: 185

CertyIQ

Which **design principles** support the reliability pillar of the AWS Well-Architected Framework? (Choose two.)

- A.Perform operations as code.
- B.Enable traceability.
- C.Automatically scale to meet demand.**
- D.Deploy resources globally to improve response time.
- E.Automatically recover from failure.**

Answer: CE**Explanation:**

- C. Automatically scale to meet demand.
- E. Automatically recover from failure.

Question: 186

CertyIQ

A company that uses AWS needs to transfer **2 TB of data**.

Which type of transfer of that data would result in no cost for the company?

- A.Inbound data transfer from the internet**
- B.Outbound data transfer to the internet
- C.Data transfer between AWS Regions
- D.Data transfer between Availability Zones

Answer: A**Explanation:**

Inbound data transfer from the internet.

Question: 187

CertyIQ

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:**

Correct answer is C:AWS Cloud Formation.

CertyIQ

Question: 188

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

Explanation:

Amazon SQS FIFO queues preserve the order in which messages are sent and received, and avoid that a message is processed more than once. This ensures that the messages are processed in first-in, first-out (FIFO) order.

Question: 189

CertyIQ

Which AWS service or feature is a browser-based, pre-authenticated service that can be launched directly from the AWS Management Console?

- A.AWS API
- B.AWS Lightsail
- C.AWS Cloud9
- D.AWS CloudShell

Answer: D

Explanation:

Correct answer is D:AWS CloudShell.

Question: 190

CertyIQ

A company wants to migrate its database to a managed AWS service that is compatible with PostgreSQL.

Which AWS services will meet these requirements? (Choose two.)

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

Answer: BE

Explanation:

- B. Amazon RDS.
- E. Amazon Aurora.

CertyIQ

Question: 191

A company has a fleet of cargo ships. The cargo ships have sensors that collect data at sea, where there is intermittent or no internet connectivity. The company needs to collect, format, and process the data at sea and move the data to AWS later.

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

- A.AWS IoT Core
- B.Amazon Lightsail
- C.AWS Storage Gateway
- D.AWS Snowball Edge

Answer: D

Explanation:

Correct answer is D:AWS Snowball Edge.

CertyIQ

Question: 192

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:

IAM provides fine-grained access control across all of AWS.

CertyIQ

Question: 193

A user has limited knowledge of AWS services, but wants to quickly deploy a scalable Node.js application in the AWS Cloud.

Which service should be used to deploy the application?

- A.AWS CloudFormation
- B.AWS Elastic Beanstalk
- C.Amazon EC2
- D.AWS OpsWorks

Answer: B

Explanation:

B is the correct answer. AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and Internet Information Services (IIS).

Question: 194

CertyIQ

A company needs a content delivery network that provides secure delivery of data, videos, applications, and APIs to users globally with low latency and high transfer speeds.

Which AWS service meets these requirements?

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

Answer: A

Explanation:

Correct answer is A:Amazon CloudFront.

Reference:

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

Question: 195

CertyIQ

A company needs to use third-party software for its workload on AWS.

Which AWS service or feature can the company use to purchase the software?

- A.AWS Resource Access Manager
- B.AWS Managed Services
- C.AWS License Manager
- D.AWS Marketplace

Answer: D

Explanation:

Correct answer is D:AWS Marketplace.

Reference:

Question: 196

A company needs fully managed, highly reliable, and scalable file storage that is accessible over the Server Message Block (SMB) protocol.

Which AWS service will meet these requirements?

- A.Amazon S3
- B.Amazon Elastic File System (Amazon EFS)
- C.Amazon FSx for Windows File Server
- D.Amazon Elastic Block Store (Amazon EBS)

Answer: C

Explanation:

Amazon FSx for Windows File Server.

Question: 197

A company needs to centrally configure and manage Amazon VPC security groups across multiple AWS accounts within an organization in AWS Organizations.

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

- A.AWS Firewall Manager
- B.Amazon GuardDuty
- C.Amazon Detective
- D.AWS WAF

Answer: A

Explanation:

AWS Firewall Manager.

Question: 198

Which task is a responsibility of AWS, according to the AWS shared responsibility model?

- A.Configure identity and access management for applications.
- B.Manage encryption options for data that is stored on AWS.
- C.Configure security groups for Amazon EC2 instances.
- D.Maintain the physical hardware of the infrastructure.

Answer: D

Explanation:

Maintain the physical hardware of the infrastructure.

Question: 199

CertyIQ

A company has an Amazon EC2 instance in a private subnet. The company wants to initiate a connection to the internet to pull operating system updates while preventing traffic from the internet from accessing the EC2 instance.

Which AWS managed service allows this?

- A.VPC endpoint
- B.NAT gateway
- C.Amazon PrivateLink
- D.VPC peering

Answer: B

Explanation:

B is correct "NAT Gateways (AWS-managed) & NAT Instances (self-managed) allow your instances in your Private Subnets to access the internet while remaining private".

Question: 200

CertyIQ

Which actions are the responsibility of AWS, according to the AWS shared responsibility model? (Choose two.)

- A.Securing the virtualization layer
- B.Patching the operating system on Amazon EC2 instances
- C.Enforcing a strict password policy for IAM users
- D.Patching the operating system on Amazon RDS instances
- E.Configuring security groups and network ACLs

Answer: AD

Explanation:

- A. Securing the virtualization layer.
- D. Patching the operating system on Amazon RDS instances.

Question: 201

CertyIQ

A company is storing data that will not be frequently accessed in the AWS Cloud. If the company needs to access the data, the data needs to be retrieved within 12 hours. The company wants a solution that is cost-effective for storage costs for each **gigabyte**.

Which Amazon S3 storage class will meet these requirements?

- A.S3 Standard
- B.S3 Glacier Flexible Retrieval**
- C.S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: B

Explanation:

B is correct Amazon S3 Glacier Flexible Retrieval (formerly Amazon S3 Glacier):• Expedited (1 to 5 minutes), Standard (3 to 5 hours), Bulk (5 to 12 hours) – free.

Question: 202

CertyIQ

Which AWS service or resource can be used to identify services that have been used by a user within a specified date range?

- A.Amazon S3 access control lists (ACLs)
- B.AWS Certificate Manager (ACM)
- C.Network Access Analyzer
- D.AWS Identity and Access Management Access Analyzer**

Answer: D

Explanation:

AWS Identity and Access Management Access Analyzer.

Question: 203

CertyIQ

A company needs to engage third-party consultants to help maintain and support its AWS environment and the company's business needs.

Which AWS service or resource will meet these requirements?

- A.AWS Support
- B.AWS Organizations
- C.AWS Service Catalog
- D.AWS Partner Network (APN)**

Answer: D

Explanation:

Correct answer is D:AWS Partner Network (APN).

Question: 204

CertyIQ

A company wants to create Amazon QuickSight dashboards every week by using its billing data.

Which AWS feature or tool can the company use to meet these requirements?

- A.AWS Budgets
- B.AWS Cost Explorer

- C.AWS Cost and Usage Report
- D.AWS Cost Anomaly Detection

Answer: C

Explanation:

AWS Cost and Usage Report.

Question: 205

CertyIQ

A company is planning to move data backups to the AWS Cloud. The company needs to replace on-premises storage with storage that is cloud-based but locally cached.

Which AWS service meets these requirements?

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

Answer: A

Explanation:

A. AWS Storage Gateway

AWS Storage Gateway is a service that connects an on-premises software appliance with cloud-based storage to provide seamless and secure integration between an organization's on-premises IT environment and AWS's storage infrastructure. It allows the company to store data backups in the cloud while caching a copy locally for low-latency access.

There are different options of Storage Gateway, but two types that could be used for this use case are:

File Gateway (NFS) - allows to store and retrieve files as objects in Amazon S3 and access them through a file interface.

Volume Gateway (iSCSI) - allows to create storage volumes and mount them as iSCSI devices from on-premises application and access them as locally attached disks.

Both options provide a cloud-based storage that is locally cached, which meets the company's requirement.

Question: 206

CertyIQ

A company needs to organize its resources and track AWS costs on a detailed level. The company needs to categorize costs by business department, environment, and application.

Which solution will meet these requirements?

- A.Access the AWS Cost Management console to organize resources, set an AWS budget, and receive notifications of unintentional usage.
- B.Use tags to organize the resources. Activate cost allocation tags to track AWS costs on a detailed level.
- C.Create Amazon CloudWatch dashboards to visually organize and track costs individually.

D.Access the AWS Billing and Cost Management dashboard to organize and track resource consumption on a detailed level.

Answer: A

Explanation:

Access the AWS Cost Management console to organize resources, set an AWS budget, and receive notifications of unintentional usage.

Question: 207

CertyIQ

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

Explanation:

D is correct" AWS Batch Fully managed batch processing at any scale• Efficiently run 100,000s of computing batch jobs on AWS• A “batch” job is a job with a start and an end (opposed to continuous)• Batch will dynamically launch EC2 instances or Spot Instances• AWS Batch provisions the right amount of compute / memory"

Question: 208

CertyIQ

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: AD

Explanation:

- A. Amazon Route 53.
- D.AWS Global Accelerator.

Question: 209

CertyIQ

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

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

Answer: A

Explanation:

Scale the number of EC2 instances in or out automatically, based on demand.

CertyIQ

Question: 210

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

- A.Trade variable expenses for capital expenses.
- B.Deploy globally in minutes.
- C.Plan capacity in advance of deployments.
- D.Take advantage of economies of scale.
- E.Reduce dependencies on network connectivity.

Answer: BD

Explanation:

- B. Deploy globally in minutes.
- D. Take advantage of economies of scale.

CertyIQ

Question: 211

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:

Correct answer is D:AWS Shield.

CertyIQ

Question: 212

Which AWS service allows users to model and provision AWS resources using common programming languages?

- A.AWS CloudFormation
- B.AWS CodePipeline
- C.AWS Cloud Development Kit (AWS CDK)
- D.AWS Systems Manager

Answer: C

Explanation:

AWS CDK is an open-source software development framework that helps you model cloud application resources using familiar programming languages, and then provision your infrastructure using CloudFormation directly from your IDE

Question: 213

CertyIQ

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

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

Answer: D

Explanation:

Correct answer is D:Spot Instances.

Question: 214

CertyIQ

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

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

Answer: B

Explanation:

B is correct "Security Groups: Firewall attached to the EC2 instance".

Question: 215

CertyIQ

A company must be able to develop, test, and launch an application in the AWS Cloud quickly.

Which advantage of cloud computing will meet these requirements?

- A.Stop guessing capacity
- B.Trade fixed expense for variable expense
- C.Achieve economies of scale
- D.Increase speed and agility**

Answer: D

Explanation:

Increase speed and agility.

CertyIQ

Question: 216

A company has teams that have different job roles and responsibilities. The company's employees often change teams. The company needs to manage permissions for the employees so that the permissions are appropriate for the job responsibilities.

Which IAM resource should the company use to meet this requirement with the LEAST operational overhead?

- A.IAM user groups
- B.IAM roles**
- C.IAM instance profiles
- D.IAM policies for individual users

Answer: B

Explanation:

Correct answer is B:IAM roles.

CertyIQ

Question: 217

Which AWS service can a company use to securely store and encrypt passwords for a database?

- A.AWS Shield
- B.AWS Secrets Manager**
- C.AWS Identity and Access Management (IAM)
- D.Amazon Cognito

Answer: B

Explanation:

Correct answer is B:AWS Secrets Manager.

CertyIQ

Question: 218

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

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

Answer: C

Explanation:

Correct answer is C:AWS Artifact.

CertyIQ

Question: 219

Which **encryption** types can be used to protect objects at rest in Amazon S3? (Choose two.)

- A.Server-side **encryption** with Amazon S3 managed encryption keys (SSE-S3)
- B.Server-side **encryption** with AWS KMS managed keys (SSE-KMS)
- C.TLS
- D.SSL
- E.Transparent Data Encryption (TDE)

Answer: AB

Explanation:

- A. Server-side encryption with Amazon S3 managed encryption keys (SSE-S3).
- B. Server-side encryption with AWS KMS managed keys (SSE-KMS).

CertyIQ

Question: 220

A company wants to integrate its **online shopping website with social media login credentials**.

Which AWS service can the company use to make this integration?

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

Answer: C

Explanation:

For integrating the online shopping website with social media login credentials, the most suitable AWS service would be C. Amazon Cognito. Cognito provides user authentication, authorization, and management for web and mobile applications. It includes features specifically designed for integrating social media logins (such as Facebook, Google, or Amazon) into applications, making it easier to manage user identities from various sources.

Question: 221

CertyIQ

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

- A.AWS Shield
- B.AWS Config
- C.AWS IAM
- D.Amazon Inspector

Answer: B**Explanation:**

Correct answer is B:AWS Config.

Question: 222

CertyIQ

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

For how much time will the customer be billed?

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

Answer: B**Explanation:**

B is correct "On-demand instances:• Minimum of 60s• Pay per second (Linux/Windows) or per hour (other)".

Question: 223

CertyIQ

A company website is experiencing DDoS attacks.

Which AWS service can help protect the company website against these attacks?

- A.AWS Resource Access Manager
- B.AWS Amplify
- C.AWS Shield
- D.Amazon GuardDuty

Answer: C**Explanation:**

Correct answer is C:AWS Shield.

Question: 224

CertyIQ

A company wants a customized **assessment** of its **current** on-premises environment. The company wants to understand its projected running costs in the AWS Cloud.

Which AWS service or tool will meet these requirements?

- A.AWS Trusted Advisor
- B.Amazon Inspector
- C.AWS Control Tower
- D.Migration **Evaluator**

Answer: D**Explanation:**

Migration Evaluator is a migration assessment service that helps you create a directional business case for AWS cloud planning and migration. AWS Control Tower offers the easiest way to set up and govern a secure, multi-account AWS environment.

Question: 225

CertyIQ

A company that has **multiple business units** wants to centrally manage and govern its AWS Cloud environments. The company wants to automate the creation of AWS accounts, apply service control policies (SCPs), and simplify billing processes.

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

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

Answer: A**Explanation:**

AWS Organizations is a service that allows you to consolidate multiple AWS accounts into an organization that you create and centrally manage. It enables you to automate the creation of AWS accounts, apply Service Control Policies (SCPs) to manage permissions across accounts, and simplify billing by using consolidated billing.

Question: 226

CertyIQ

A company is hosting an application in the AWS Cloud. The company wants to verify that underlying AWS services and general AWS infrastructure are operating normally.

Which combination of AWS services can the company use to gather the required information? (Choose two.)

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

Answer: AD

Explanation:

AWS Personal Health Dashboard - gives you a personalized view of the status of the Amazon Web Services services that power your applications, enabling you to quickly see when Amazon Web Services is experiencing issues that may impact you. AWS Health notifies you about service events, planned changes, and account notifications to help you manage and take actions.

CertyIQ

Question: 227

A company needs to migrate a PostgreSQL database from on-premises to Amazon RDS.

Which AWS service or tool should the company use to meet this requirement?

- A.Cloud Adoption Readiness Tool
- B.AWS Migration Hub
- C.AWS Database Migration Service (AWS DMS)
- D.AWS Application Migration Service

Answer: C

Explanation:

key - "Database" AWS Database Migration Service AWS Cloud Readiness - See your responses and scores across the six AWS Cloud Adoption Framework (CAF) perspectives summarized in detail. AWS Migration Hub provides a central location to collect server and application inventory data for the assessment, planning, and tracking of migrations. AWS Database Migration Service (AWS DMS) is a managed migration and replication service that helps you move your databases and analytics workloads to AWS quickly and securely. AWS Application Migration Service (AWS MGN) is the recommended service for migrations to AWS. AWS Application Migration Service simplifies and expedites your migration to AWS by automatically converting your source servers from physical, virtual, or cloud infrastructure to run natively on AWS.

CertyIQ

Question: 228

Which cloud concept is demonstrated by using AWS Compute Optimizer?

- A.Security validation
- B.Rightsizing
- C.Elasticity
- D.Global reach

Answer: B

Explanation:

Correct answer is B: Rightsizing.

Question: 229

CertyIQ

A company hosts a large amount of data in AWS. The company wants to identify if any of the data should be considered sensitive.

Which AWS service will meet the requirement?

- A.Amazon Inspector
- B.Amazon Macie
- C.AWS Identity and Access Management (IAM)
- D.Amazon CloudWatch

Answer: B**Explanation:**

B. Amazon MacieAmazon Macie is specifically designed to help discover, classify, and protect sensitive data stored in AWS. It uses machine learning and pattern matching to automatically identify and classify sensitive data within various AWS services like S3 buckets, helping companies better understand their data and enforce security policies.

Question: 230

CertyIQ

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.

What is the MOST cost-effective pricing model for this workload?

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

Answer: B**Explanation:**

Reserved Instances provide a significant discount compared to On-Demand Instances while offering a commitment to a specific instance type in a particular region for a term of 1 or 3 years. Since the workload is expected to run continuously for the next 3 years, a Reserved Instance with a 3-year term would provide the maximum cost savings over the long term.

Reference:

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

Question: 231

CertyIQ

Who enables encryption of data at rest for Amazon Elastic Block Store (Amazon EBS)?

- A.AWS Support
- B.AWS customers
- C.AWS Key Management Service (AWS KMS)

Answer: B

Explanation:

Correct answer is B: AWS customers.

CertyIQ

Question: 232

What can a user accomplish using AWS CloudTrail?

- A. Generate an IAM user credentials report.
- B. Record API calls made to AWS services.
- C. Assess the compliance of AWS resource configurations with policies and guidelines.
- D. Ensure that Amazon EC2 instances are patched with the latest security updates.

Answer: B

Explanation:

B. Record API calls made to AWS services. AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. It records API calls made on your account, including who made the call, the services used, the actions performed, and when they occurred. This information is valuable for security analysis, resource change tracking, and troubleshooting.

CertyIQ

Question: 233

A company is planning to host its workloads on AWS.

Which AWS service requires the company to update and patch the guest operating system?

- A. Amazon DynamoDB
- B. Amazon S3
- C. Amazon EC2
- D. Amazon Aurora

Answer: C

Explanation:

C. Amazon EC2Amazon EC2 (Elastic Compute Cloud) is the AWS service that provides resizable compute capacity in the cloud. When you use EC2 instances, you have control over the guest operating system, and it is your responsibility to update and patch the operating system.

CertyIQ

Question: 234

Which AWS service or feature will search for and identify AWS resources that are shared externally?

- A. Amazon OpenSearch Service

- B.AWS Control Tower
- C.AWS IAM Access Analyzer
- D.AWS Fargate

Answer: C

Explanation:

Correct answer is C:AWS IAM Access Analyzer.

CertyIQ

Question: 235

A company is migrating its workloads to the AWS Cloud. The company must retain full control of patch management for the guest operating systems that host its applications.

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

- A.Amazon DynamoDB
- B.Amazon EC2
- C.AWS Lambda
- D.Amazon RDS

Answer: B

Explanation:

B. Amazon EC2Amazon EC2 (Elastic Compute Cloud) allows the company to retain full control over the guest operating systems, including patch management. With EC2, you have the flexibility to choose the operating system, configure security settings, and apply patches as needed. This level of control is suitable for scenarios where the company wants to manage the entire software stack, including the operating system.

CertyIQ

Question: 236

At what support level do users receive access to a support concierge?

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

Answer: D

Explanation:

Correct answer is D:Enterprise Support.

CertyIQ

Question: 237

Which AWS service can a company use to visually design and build serverless applications?

- A.AWS Lambda
- B.AWS Batch
- C.AWS Application Composer
- D.AWS App Runner

Answer: C

Explanation:

C is correct "AWS Application Composer helps you visually compose and configure AWS services into serverless applications backed by infrastructure as code."

Question: 238

CertyIQ

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

Where can the company purchase the security solution?

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

Answer: D

Explanation:

Correct answer is D:AWS Marketplace.

Question: 239

CertyIQ

A company has deployed an Amazon EC2 instance.

Which option is an AWS responsibility under the AWS shared responsibility model?

- A.Managing and encrypting application data
- B.Installing updates and security patches of guest operating system
- C.Configuration of infrastructure devices
- D.Configuration of security groups on each instance

Answer: C

Explanation:

Configuration of infrastructure devices.

Question: 240

CertyIQ

A company wants to migrate its PostgreSQL database to AWS. The company does not use the database

frequently.

Which AWS service or resource will meet these requirements with the LEAST management overhead?

- A.PostgreSQL on Amazon EC2
- B.Amazon RDS for PostgreSQL
- C.Amazon Aurora PostgreSQL-Compatible Edition
- D.Amazon Aurora Serverless

Answer: B

Explanation:

Amazon RDS for PostgreSQL.

CertyIQ

Question: 241

A company is using Amazon DynamoDB for its application database.

Which tasks are the responsibility of AWS, according to the AWS shared responsibility model? (Choose two.)

- A.Classify data.
- B.Configure access permissions.
- C.Manage encryption options.
- D.Provide public endpoints to store and retrieve data.
- E.Manage the infrastructure layer and the operating system.

Answer: DE

Explanation:

- D. Provide public endpoints to store and retrieve data.
- E. Manage the infrastructure layer and the operating system.

CertyIQ

Question: 242

A company wants to create a globally accessible ecommerce platform for its customers. The company wants to use a highly available and scalable DNS web service to connect users to the platform.

Which AWS service will meet these requirements?

- A.Amazon EC2
- B.Amazon VPC
- C.Amazon Route 53
- D.Amazon RDS

Answer: C

Explanation:

C. Amazon Route 53Amazon Route 53 is a scalable and highly available Domain Name System (DNS) web service provided by AWS. It is designed to route end-user requests to endpoints, such as Amazon EC2

instances, AWS Elastic Load Balancers, or other resources. Route 53 provides a reliable and cost-effective way to ensure that users can access your globally distributed ecommerce platform with low-latency and high availability.

Question: 243

CertyIQ

Which maintenance task is the customer's responsibility, according to the AWS shared responsibility model?

- A.Physical connectivity among Availability Zones
- B.Network switch maintenance
- C.Hardware updates and firmware patches
- D.Amazon EC2 updates and security patches

Answer: D

Explanation:

Amazon EC2 updates and security patches.

Question: 244

CertyIQ

A company wants to improve its security posture by reviewing user activity through API calls.

Which AWS service will meet this requirement?

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

Answer: D

Explanation:

AWS CloudTrail:

- oRecords or logs transactions.
- oYou can use API calls to provision, manage, and configure your AWS resources. With CloudTrail, you can view a complete history of user activity and API calls for your applications and resources (API caller, timeframe, Source IP, etc.).

Question: 245

CertyIQ

A company is migrating to the AWS Cloud and plans to run experimental workloads for 3 to 6 months on AWS.

Which pricing model will meet these requirements?

- A.Use Savings Plans for a 3-year term.
- B.Use Dedicated Hosts.
- C.Buy Reserved Instances.
- D.Use On-Demand Instances.

Answer: D

Explanation:

Correct answer is D:Use On-Demand Instances.

CertyIQ

Question: 246

A company that has AWS Enterprise Support is launching a new version of a popular product in 2 months. The company expects a large increase in traffic to its website. The website is hosted on Amazon EC2 instances.

Which action should the company take to assess its readiness to scale for this launch?

- A.Replace the EC2 instances with AWS Lambda functions.
- B.Use AWS Infrastructure Event Management (IEM) support.
- C.Submit a request on AWS Marketplace to monitor the event.
- D.Review the coverage reports in the AWS Cost Management console.

Answer: B

Explanation:

Use AWS Infrastructure Event Management (IEM) support.

CertyIQ

Question: 247

A company wants to launch multiple workloads on AWS. Each workload is related to a different business unit. The company wants to separate and track costs for each business unit.

Which solution will meet these requirements with the LEAST operational overhead?

- A.Use AWS Organizations and create one account for each business unit.
- B.Use a spreadsheet to control the owners and cost of each resource.
- C.Use an Amazon DynamoDB table to record costs for each business unit.
- D.Use the AWS Billing console to assign owners to resources and track costs.

Answer: A

Explanation:

A. Use AWS Organizations and create one account for each business unit.

Using AWS Organizations allows you to centrally manage and govern multiple AWS accounts. By creating separate accounts for each business unit, you can easily isolate and track costs for each unit without mixing them up. This approach provides a clear separation of resources and costs, simplifying cost management and tracking. Additionally, AWS provides consolidated billing and cost allocation features within Organizations, making it easier to manage billing and costs across multiple accounts.

CertyIQ

Question: 248

A company wants a time-series database service that makes it easier to store and analyze trillions of events each

day.

Which AWS service will meet this requirement?

- A.Amazon Neptune
- B.Amazon Timestream
- C.Amazon Forecast
- D.Amazon DocumentDB (with MongoDB compatibility)

Answer: B

Explanation:

B is correct "Amazon Timestream is a fast, scalable, and serverless time-series database service that makes it easier to store and analyze trillions of events per day up to 1,000 times faster. Amazon Timestream automatically scales up or down to adjust capacity and performance, so that you don't have to manage the underlying infrastructure."

Question: 249

CertyIQ

Which option is a shared control between AWS and the customer, according to the AWS shared responsibility model?

- A.Configuration management
- B.Physical and environmental controls
- C.Data integrity authentication
- D.Identity and access management

Answer: A

Explanation:

1. A is correct "Shared controls:- Patch Management, Configuration Management, Awareness & Training"
2. Shared Controls – Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services. Examples include:Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.Configuration Management – AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.Awareness & Training - AWS trains AWS employees, but a customer must train their own employees.

Question: 250

CertyIQ

A company often does not use all of its current Amazon EC2 capacity to run stateless workloads. The company wants to optimize its EC2 costs.

Which EC2 instance type will meet these requirements?

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

Answer: A**Explanation:**

Spot Instances are ideal for workloads with flexible start and end times, or that can withstand interruptions. This billing option is good if you can start or stop the processing job without affecting the overall operation of your business. Spot requests depends on Amazon EC2 capacity availability.

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-best-practices.html>

Question: 251**CertyIQ**

A company wants to store data in Amazon S3. The company rarely access the data, and the data can be regenerated if necessary. The company wants to store the data in the most cost-effective storage class.

Which S3 storage class will meet this requirement?

- A.S3 Standard
- B.S3 Intelligent-Tiering
- C.S3 Standard-Infrequent Access (S3 Standard-IA)
- D.S3 One Zone-Infrequent Access (S3 One Zone-IA)

Answer: D**Explanation:**

S3 One Zone-IA is ideal for customers who want a lower-cost option for infrequently accessed.

Question: 252**CertyIQ**

A company has migrated its workloads to AWS. The company wants to adopt AWS at scale and operate more efficiently and securely. Which AWS service or framework should the company use for operational support?

- A.AWS Support
- B.AWS Cloud Adoption Framework (AWS CAF)
- C.AWS Managed Services (AMS)
- D.AWS Well-Architected Framework

Answer: C**Explanation:**

AWS Managed Services (AMS) helps you adopt AWS at scale and operate more efficiently and securely. We leverage standard AWS services and offer operational guidance with specialized automations, skills, and experience that are contextual to your environment and applications.

Question: 253**CertyIQ**

A company wants to provision and manage its AWS infrastructure by using the common programming languages Typescript, Python, Java, and .NET.

Which AWS service will meet this requirement?

- A.AWS CodeBuild
- B.AWS CloudFormation
- C.AWS CLI
- D.AWS Cloud Development Kit (AWS CDK)

Answer: D

Explanation:

D. AWS Cloud Development Kit (AWS CDK)The AWS Cloud Development Kit (AWS CDK) is a software development framework that allows you to define cloud infrastructure in code using familiar programming languages such as TypeScript, Python, Java, and .NET. With AWS CDK, you can model and provision AWS infrastructure using a higher-level abstraction than traditional Infrastructure as Code (IaC) tools.

Reference:

https://docs.aws.amazon.com/cdk/v2/guide/getting_started.html

Question: 254

CertyIQ

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

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

Answer: D

Explanation:

It is D, because it says right-sized, meaning that most probably the instance will not change and we need more cost effective. Thus, standard Reserved Instances.

Question: 255

CertyIQ

A company has a physical tape library to store data backups. The tape library is running out of space. The company needs to extend the tape library's capacity to the AWS Cloud.

Which AWS service should the company use to meet this requirement?

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

Answer: D

Explanation:

Correct answer is D:AWS Storage Gateway.

CertyIQ

Question: 256

A company is using the AWS Free Tier for several AWS services for an application.

What will happen if the Free Tier usage period expires or if the application use exceeds the Free Tier usage limits?

- A.The company will be charged the standard pay-as-you-go service rates for the usage that exceeds the Free Tier usage.
- B.AWS Support will contact the company to set up standard service charges.
- C.The company will be charged for the services it consumed during the Free Tier period, plus additional charges for service consumption after the Free Tier period.
- D.The company's AWS account will be frozen and can be restarted after a payment plan is established.

Answer: A

Explanation:

The company will be charged the standard pay-as-you-go service rates for the usage that exceeds the Free Tier usage.

Question: 257

CertyIQ

A company wants to monitor its workload performance. The company wants to ensure that the cloud services are delivered at a level that meets its business needs.

Which AWS Cloud Adoption Framework (AWS CAF) perspective will meet these requirements?

- A.Business
- B.Governance
- C.Platform
- D.Operations

Answer: D

Explanation:

D. The Operations perspective helps ensure that your cloud services are delivered at a level that meets the needs of your business.

Question: 258

CertyIQ

A company wants to migrate its applications to the AWS Cloud. The company plans to identify and prioritize any business transformation opportunities and evaluate its AWS Cloud readiness.

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

- A.AWS Cloud Adoption Framework (AWS CAF)
- B.AWS Managed Services (AMS)
- C.AWS Well-Architected Framework

Answer: A**Explanation:**

1. A. The AWS CAF is the most suitable resource. It provides guidance that supports each unit within an organization through the process of understanding how to align cloud strategies to business objectives. It helps organizations develop and execute efficient and effective plans for their cloud adoption journey, identifying and prioritizing opportunities for transformation across the business.
2. AWS CAF provides guidance and best practices for organizations to build a comprehensive approach to cloud adoption. It includes perspectives on business, people, process, and platform, making it a valuable framework for assessing readiness and planning the adoption journey.

Question: 259**CertyIQ**

A company need an AWS service that provides a clear baseline of what the company runs in its on-premises data centers. The company needs the projected cost to run its on-premises workloads in the AWS Cloud.

What AWS service or tool will meet these requirements?

- A.AWS Compute Optimizer
- B.AWS Cost Explorer
- C.AWS Systems Manager Agent (SSM Agent)
- D.Migration Evaluator

Answer: D**Explanation:**

D Migration Evaluator is a migration assessment service that helps you create a directional business case for AWS cloud planning and migration. To project future-state cloud costs, Migration Evaluator provides (a clear baseline) of what your organization is running today and projects AWS costs based on measured on-premises provisioning and utilization.

Question: 260**CertyIQ**

A company acquired another corporation. The company now has two AWS accounts.

Which AWS service or tool can the company use to consolidate the billing for these two accounts?

- A.AWS Systems Manager
- B.AWS Organizations
- C.AWS License Manager
- D.Cost Explorer

Answer: B**Explanation:**

AWS Organizations is the service that enables you to consolidate multiple AWS accounts into an organization

that you create and centrally manage. It helps you to simplify billing by allowing you to consolidate payment methods for all linked accounts. This way, you can benefit from volume discounts and have a centralized view of your AWS spending. It also provides features for policy-based management, which helps you enforce policies across your accounts, among other organizational benefits.

Question: 261**CertyIQ**

A company wants to set up its workloads to perform their intended functions and recover quickly from failure.

Which pillar of the AWS Well-Architected Framework aligns with these goals?

- A.Performance efficiency
- B.Sustainability
- C.Reliability
- D.Security

Answer: C**Explanation:**

The Reliability pillar of the AWS Well-Architected Framework focuses on ensuring a workload performs its intended functions correctly and consistently, as well as on the ability to recover from failures and meet customer demands. It emphasizes designing for failure and implementing mechanisms to automatically recover from failures when they occur.

Question: 262**CertyIQ**

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**Explanation:**

Correct answer is B:AWS Glue.

Glue: Managed extract, transform, and load (ETL) service.

Question: 263**CertyIQ**

A company wants to migrate petabytes of data from its on-premises data center to AWS. The company does not want to use an internet connection to perform the migration.

Which AWS service will meet these requirements?

- A.AWS DataSync

- B.Amazon Connect
- C.AWS Snowmobile
- D.AWS Direct Connect

Answer: C

Explanation:

CAWS Snowmobile is an exabyte-scale data transfer service that is used to move large volumes of data to Amazon Web Services. Each Snowmobile allows transfer for up to 100PB of data. It is a 45-foot-long ruggedized shipping container that is pulled by a semi-trailer truck.

Question: 264

CertyIQ

A company wants to receive alerts to monitor its overall operating costs for its AWS public cloud infrastructure.

Which AWS offering will meet these requirements?

- A.Amazon EventBridge
- B.Compute Savings Plans
- C.AWS Budgets
- D.Migration Evaluator

Answer: C

Explanation:

C. AWS Budgets AWS Budgets allows you to set custom budgets to track your cost and usage from the simplest to the most complex use cases. With AWS Budgets, you can set alerts when your costs or usage exceed (or are forecasted to exceed) your budgeted amount. This service provides notifications that can help the company manage its spending on AWS and stay within its desired budget. AWS Budgets can send alerts via email or integrate with Amazon Simple Notification Service (SNS) for more advanced notification options.

Question: 265

CertyIQ

How does the AWS Enterprise Support Concierge team help users?

- A.Supporting application development
- B.Providing architecture guidance
- C.Answering billing and account inquiries
- D.Answering questions regarding technical support cases

Answer: C

Explanation:

The Enterprise Support Concierge is a group of AWS billing and account experts that specialize in working with enterprise accounts. They help with billing and account inquiries.

Question: 266

CertyIQ

A company wants to run a simulation for 3 years without interruptions.

Which Amazon EC2 instance purchasing option will meet these requirements MOST cost-effectively?

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

Answer: B**Explanation:**

B. Reserved Instances Reserved Instances provide cost savings compared to On-Demand Instances, especially for long-term commitments.

Question: 267

CertyIQ

Which AWS service or resource can provide discounts on some AWS service costs in exchange for a spending commitment?

- A.Amazon Detective
- B.AWS Pricing Calculator
- C.Savings Plans
- D.Basic Support

Answer: C**Explanation:**

Savings Plans offer significant savings over On-Demand Instances, in exchange for a commitment to use a specific amount of compute power for a one or three-year period.

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-reservation-models/savings-plans.html>

Question: 268

CertyIQ

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

- A.High availability
- B.Performance efficiency
- C.Cost optimization
- D.Going global in minutes
- E.Continuous development

Answer: BC**Explanation:**

B. Performance efficiency.

C. Cost optimization.

Question: 269

CertyIQ

A company wants to use Amazon EC2 instances to provide a static website to users all over the world. The company needs to minimize latency for the users.

Which solution meets these requirements?

- A.Use EC2 instances in multiple edge locations.
- B.Use EC2 instances in the same Availability Zone but in different AWS Regions.
- C.Use Amazon CloudFront with the EC2 instances configured as the source.
- D.Use EC2 instances in the same Availability Zone but in different AWS accounts.

Answer: C

Explanation:

Amazon CloudFront is a content delivery network (CDN) service that accelerates the delivery of your websites, APIs, video content, or other web assets. In this scenario, using Amazon CloudFront is the most suitable option to minimize latency for users all over the world.

Question: 270

CertyIQ

A team of researchers is going to collect data at remote locations around the world. Many locations do not have internet connectivity. The team needs to capture the data in the field, and transfer it to the AWS Cloud later.

Which AWS service will support these requirements?

- A.AWS Outposts
- B.AWS Transfer Family
- C.AWS Snow Family
- D.AWS Migration Hub

Answer: C

Explanation:

The AWS Snow Family is designed for situations where you need to transfer large amounts of data to and from the AWS Cloud but have limited or no internet connectivity. In this scenario, AWS Snow Family devices (such as AWS Snowball or AWS Snowmobile) can be used to physically transfer data.

Question: 271

CertyIQ

Which of the following are benefits that a company receives when it moves an on-premises production workload to AWS? (Choose two.)

- A.AWS trains the company's staff on the use of all the AWS services.
- B.AWS manages all security in the cloud.

C.AWS offers free support from technical account managers (TAMs).

D.AWS offers high availability.

E.AWS provides economies of scale.

Answer: DE

Explanation:

D. AWS offers high availability.

E. AWS provides economies of scale.

CertyIQ

Question: 272

A company has decided to adopt Amazon EC2 infrastructure and wants to scale various stateless services for short-term usage.

Which EC2 pricing model is MOST cost-efficient to meet these requirements?

A.Spot Instances

B.On-Demand Instances

C.Reserved Instances

D.Dedicated Hosts

Answer: A

Explanation:

Correct answer is A:Spot Instances.

CertyIQ

Question: 273

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

A.Access to Amazon Simple Queue Service (Amazon SQS)

B.Cost optimization recommendations

C.Hourly refresh of the service limit checks

D.Security checks

E.AWS Identity and Access Management (IAM) approval management

Answer: BD

Explanation:

B. Cost optimization recommendations.

D. Security checks.

CertyIQ

Question: 274

A company wants to save costs by archiving data that is no longer frequently accessed by end users.

Which Amazon S3 feature will meet this requirement?

- A.S3 Versioning
- B.S3 Lifecycle
- C.S3 Object Lock
- D.S3 Inventory

Answer: B

Explanation:

Amazon S3 Lifecycle policies allow you to define rules to automatically transition objects between storage classes or delete them when they are no longer needed. In the context of cost savings and archiving data that is no longer frequently accessed, using S3 Lifecycle policies is the appropriate solution.

CertyIQ

Question: 275

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: D

Explanation:

When a company uses AWS Regions to increase application availability to users in different countries, it is leveraging the global reach of cloud computing. AWS Regions are geographically distributed data center clusters, and each Region consists of multiple Availability Zones. Deploying applications across multiple AWS Regions allows companies to provide low-latency access to their services for users in different geographical locations, thereby improving global reach and availability.

CertyIQ

Question: 276

A company wants an AWS service to collect and process 10 TB of data locally and transfer the data to AWS. The company has intermittent connectivity.

Which AWS service will meet these requirements?

- A.AWS Database Migration Service (AWS DMS)
- B.AWS DataSync
- C.AWS Backup
- D.AWS Snowball Edge

Answer: D

Explanation:

Correct answer is D:AWS Snowball Edge.

CertyIQ

Question: 277

Which of the following is an AWS Well-Architected Framework design principle for operational excellence in the AWS Cloud?

- A.Go global in minutes.
- B.Make frequent, small, reversible changes.
- C.Implement a strong foundation of identity and access management
- D.Stop spending money on hardware infrastructure for data center operations.

Answer: B

Explanation:

Make frequent, small, reversible changes.

Question: 278

CertyIQ

What is a benefit of using AWS serverless computing?

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

Answer: D

Explanation:

D. Management of infrastructure is offloaded to AWS. One of the benefits of using AWS serverless computing is that it offloads the management of infrastructure to AWS. With serverless computing, developers can focus on writing code without worrying about server provisioning, scaling, or maintenance. AWS takes care of the underlying infrastructure, allowing developers to concentrate on building and deploying applications.

Question: 279

CertyIQ

A developer wants AWS users to access AWS services by using temporary security credentials.

Which AWS service or feature should the developer use to provide these credentials?

- A.IAM policies
- B.IAM user groups
- C.AWS Security Token Service (AWS STS)
- D.AWS IAM Identity Center (AWS Single Sign-On)

Answer: C

Explanation:

C. AWS Security Token Service (AWS STS) AWS STS allows you to grant users and systems temporary access to AWS resources. Users can assume an IAM role for a limited time to access AWS services, which STS facilitates by providing temporary security credentials. This service is particularly useful in scenarios where you need to provide access that is limited in time and scope, such as for cross-account access or federated user access.

CertyIQ**Question: 280**

A global company wants to use a managed security service for protection from SQL injection attacks. The service also must provide detailed logging information about access to the company's ecommerce applications.

Which AWS service will meet these requirements?

- A.AWS Network Firewall
- B.Amazon RDS for SQL Server
- C.Amazon GuardDuty
- D.AWS WAF

Answer: D**Explanation:**

Correct answer is D:AWS WAF.

CertyIQ**Question: 281**

A company is migrating its on-premises server to an Amazon EC2 instance. The server must stay active at all times for the next 12 months.

Which EC2 pricing option is the MOST cost-effective for the company's workload?

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

Answer: D**Explanation:**

Correct answer is D:Reserved Instances.

CertyIQ**Question: 282**

Which of the following is the customer's responsibility under the AWS shared responsibility model? (Choose two.)

- A.Maintain the configuration of infrastructure devices.
- B.Maintain patching and updates within the hardware infrastructure.

- C.Maintain the configuration of guest operating systems and applications.
- D.Manage decisions involving encryption options.
- E.Maintain infrastructure hardware.

Answer: CD

Explanation:

Under the AWS shared responsibility model, AWS manages the infrastructure, while the customer is responsible for the management of the guest operating systems (including updates and security patches), application software, and for the configuration of AWS provided security group firewalls. The customer also has to manage encryption options and key management, except for the infrastructure where AWS manages these (e.g., managed services).

Question: 283

CertyIQ

A company wants to verify if multi-factor authentication (MFA) is enabled for all users within its AWS accounts.

Which AWS service or resource will meet this requirement?

- A.AWS Cost and Usage Report
- B.IAM credential reports
- C.AWS Artifact
- D.Amazon CloudFront reports

Answer: B

Explanation:

IAM credential reports provide a way to audit the status of all your IAM credentials, including the status of MFA devices.

Question: 284

CertyIQ

A company uses AWS security services and tools. The company needs a service to help manage the security alerts and must organize the alerts into a single dashboard.

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

- A.Amazon GuardDuty
- B.Amazon Inspector
- C.Amazon Macie
- D.AWS Security Hub

Answer: D

Explanation:

Correct answer is D:AWS Security Hub.

Question: 285

CertyIQ

A company wants to run its workloads in the AWS Cloud effectively, reduce management overhead, and improve processes.

Which AWS Well-Architected Framework pillar represents these requirements?

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

Answer: B**Explanation:**

B.Keyphrase for operational excellence: Run and monitor systems to deliver business value and to "improve supporting processes and procedures".

Question: 286

CertyIQ

A company uses Amazon S3 to store records that can contain personally identifiable information (PII). The company wants a solution that can monitor all S3 buckets for PII and immediately alert staff about vulnerabilities.

Which AWS service will meet these requirements?

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

Answer: C**Explanation:**

Amazon Macie is correct answer.

Question: 287

CertyIQ

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:**

Correct answer is C:AWS Artifact.

Question: 288

CertyIQ

An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys.

What is the SIMPLEST way to provide this information?

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

Answer: C**Explanation:**

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

Question: 289

CertyIQ

Which task can a company perform by using security groups in the AWS Cloud?

- A.Allow access to an Amazon EC2 instance through only a specific port.
- B.Deny access to malicious IP addresses at a subnet level.
- C.Protect data that is cached by Amazon CloudFront.
- D.Apply a stateless firewall to an Amazon EC2 instance.

Answer: A**Explanation:**

Allow access to an Amazon EC2 instance through only a specific port.

Question: 290

CertyIQ

A company plans to run a compute-intensive workload that uses graphics processing units (GPUs).

Which Amazon EC2 instance type should the company use?

- A.Accelerated computing
- B.Compute optimized
- C.Storage optimized
- D.General purpose

Answer: A**Explanation:**

Accelerated computing instances (such as those from the P, G, and F instance families) use GPU units to improve performance in workloads such as graphics and data processing.

Answer is A. Accelerated computing instances are made to work with graphic intensive workloads.

Question: 291

CertyIQ

Which of the following are features of network ACLs as they are used in the AWS Cloud? (Choose two.)

- A. They are stateless.
- B. They are stateful.
- C. They evaluate all rules before allowing traffic.
- D. They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic.
- E. They operate at the instance level.

Answer: AD

Explanation:

- A. They are stateless.
- B. Network ACLs (Access Control Lists) in AWS are stateless, meaning they do not keep track of the state of established connections. Each rule in a network ACL is applied independently of the others.
- C. They evaluate all rules before allowing traffic.
- D. Network ACLs process rules in order, starting with the lowest numbered rule. Once a rule is matched, no further rules are evaluated, which makes the order of rules important.

Question: 292

CertyIQ

Which capabilities are in the platform perspective of the AWS Cloud Adoption Framework (AWS CAF)? (Choose two.)

- A. Performance and capacity management
- B. Data engineering
- C. Continuous integration and continuous delivery (CI/CD)
- D. Infrastructure protection
- E. Change and release management

Answer: BC

Explanation:

- B. Data engineering.
- C. Continuous integration and continuous delivery (CI/CD).

Question: 293

CertyIQ

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:

The customer is responsible for applying the latest security updates and patches to Amazon EC2 instances.

Question: 294

CertyIQ

Which Amazon S3 storage class is MOST cost-effective for unknown access patterns?

- A.S3 Standard
- B.S3 Standard-Infrequent Access (S3 Standard-IA)
- C.S3 One Zone-Infrequent Access (S3 One Zone-IA)
- D.S3 Intelligent-Tiering

Answer: D

Explanation:

D. S3 Intelligent-Tiering S3 Intelligent-Tiering is the most cost-effective option for unknown access patterns. It automatically moves objects between two access tiers (frequent and infrequent access) based on changing access patterns. This helps optimize costs for data with unknown or changing access patterns.

Question: 295

CertyIQ

Which options are AWS Cloud Adoption Framework (AWS CAF) security perspective capabilities? (Choose two.)

- A.Observability
- B.Incident and problem management
- C.Incident response
- D.Infrastructure protection
- E.Availability and continuity

Answer: CD

Explanation:

- C .Incident response.
- D .Infrastructure protection.

Question: 296

CertyIQ

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:

B. Create a custom IAM policy. If the existing managed IAM policy does not provide the necessary permissions, you can create a custom IAM policy tailored to the specific permissions required by the users. This allows you to define and grant the permissions needed for the tasks.

Question: 297

CertyIQ

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

Explanation:

The customer is responsible for rotating keys.

Question: 298

CertyIQ

A company needs to run a pre-installed third-party firewall on an Amazon EC2 instance.

Which AWS service or feature can provide this solution?

- A.Network ACLs
- B.Security groups
- C.AWS Marketplace
- D.AWS Trusted Advisor

Answer: C

Explanation:

AWS Marketplace is a digital catalog that includes thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software on AWS – including pre-installed third-party firewalls.

The correct answer is C. AWS Marketplace. Here's why AWS Marketplace is the most suitable option for running a pre-installed third-party firewall on an EC2 instance: AWS Marketplace provides a wide range of

pre-configured software solutions, including firewalls, that can be quickly deployed on EC2 instances. This eliminates the need for manual installation and configuration, saving time and effort.

Question: 299

CertyIQ

Which AWS Cloud benefit gives a company the ability to quickly deploy cloud resources to access compute, storage, and database infrastructures in a matter of minutes?

- A.Elasticity
- B.Cost savings
- C.Agility
- D.Reliability

Answer: C

Explanation:

Agility in cloud computing refers to the ability to quickly develop, test, and launch applications that the business needs.

Question: 300

CertyIQ

Which of the following is entirely the responsibility of AWS, according to the AWS shared responsibility model?

- A.Security awareness and training
- B.Development of an IAM password policy
- C.Patching of the guest operating system
- D.Physical and environmental controls

Answer: D

Explanation:

Physical and environmental controls.

AWS is responsible for the protection of the physical infrastructure and environment of its data centers. This is a core aspect of the AWS shared responsibility model.

Question: 301

CertyIQ

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

Explanation:

The root user is the first sign-in identity that is available when an AWS account is created.

Question: 302**CertyIQ**

An Amazon EC2 instance previously used for development is inaccessible and no longer appears in the AWS Management Console.

Which AWS service should be used to determine what action made this EC2 instance inaccessible?

- A.Amazon CloudWatch Logs
- B.AWS Security Hub
- C.Amazon Inspector
- D.AWS CloudTrail

Answer: D**Explanation:**

D. AWS CloudTrailAWS CloudTrail is the service that records API calls and related events made on your AWS account. If an Amazon EC2 instance is inaccessible or if there are actions taken on the instance, CloudTrail can be used to determine what actions were performed, who performed them, and when they occurred. It provides a detailed history of changes and activity within your AWS environment.

Question: 303**CertyIQ**

A company's application developers need to quickly provision and manage AWS services by using scripts.

Which AWS offering should the developers use to meet these requirements?

- A.AWS CLI
- B.AWS CodeBuild
- C.AWS Cloud Adoption Framework (AWS CAF)
- D.AWS Systems Manager Session Manager

Answer: A**Explanation:**

A.AWS CLI allows you to manage services using scripts.

The AWS CLI is a command-line tool provided by AWS that allows developers and administrators to interact with AWS services directly from the command line. It provides a set of commands for a broad set of AWS services, allowing users to perform tasks such as creating and managing EC2 instances, configuring S3 buckets, managing IAM users, and more. Developers can use scripts and automation tools to orchestrate and automate various AWS operations by leveraging the AWS CLI commands.

Question: 304**CertyIQ**

A company wants to migrate unstructured data to AWS. The data needs to be securely moved with inflight encryption and end-to-end data validation.

Which AWS service will meet these requirements?

- A.AWS Application Migration Service
- B.Amazon Elastic File System (Amazon EFS)
- C.AWS DataSync
- D.AWS Migration Hub

Answer: C

Explanation:

C. AWS DataSync

AWS DataSync is a service designed for securely transferring large amounts of data between on-premises storage and Amazon S3, Amazon EFS, or Amazon FSx for Windows File Server. It supports in-flight encryption and end-to-end data validation during the transfer process.

In the context of the question, AWS DataSync is a suitable choice for securely moving unstructured data to AWS while ensuring encryption and data integrity throughout the migration process. Therefore, option C, AWS DataSync, would meet the specified requirements.

Question: 305

CertyIQ

A development team wants to deploy multiple test environments for an application in a fast, repeatable manner.

Which AWS service should the team use?

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

Answer: B

Explanation:

B is the correct answer. AWS Cloud Formation is used for infrastructure as code (IaC), allowing users to define and deploy AWS resources in a repeatable and automated manner.

Question: 306

CertyIQ

A company wants to quickly implement a continuous integration/continuous delivery (CI/CD) pipeline.

Which AWS service will meet this requirement?

- A.AWS Config
- B.Amazon Cognito
- C.AWS DataSync
- D.AWS CodeStar

Answer: D**Explanation:**

D is the correct answer AWS Code Star is a cloud-based development service that provides the tools you need to quickly develop, build, and deploy applications on AWS. With AWS CodeStar, you can set up your entire continuous delivery toolchain in minutes, allowing you to start releasing code faster.

AWS Code Star is a fully managed service that makes it easy to develop, build, and deploy applications on AWS. It provides a unified user interface, pre-configured project templates, and integration with other AWS services to set up a CI/CD pipeline quickly.

Question: 307**CertyIQ**

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

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

Answer: D**Explanation:**

Hybrid Cloud: A hybrid cloud environment blends on-premises infrastructure with cloud resources, enabling organizations to leverage the benefits of both.

AWS Outposts is a fully managed service that extends AWS infrastructure, services, and APIs to customer premises. It allows you to run AWS compute, storage, and other services on-premises, providing a consistent hybrid experience.

Question: 308**CertyIQ**

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

- A.Amazon Aurora
- B.Amazon FSx
- C.Amazon DynamoDB
- D.Amazon Neptune

Answer: D**Explanation:**

Amazon Neptune is a fully managed graph database service on AWS. It supports popular graph models like Property Graph and RDF (Resource Description Framework).Neptune is designed for highly connected data and is suitable for use cases such as social networking, fraud detection, knowledge graphs, and more.

Question: 309

CertyIQ

Which AWS service could an administrator use to provide desktop environments for several employees?

- A.AWS Organizations
- B.AWS Fargate
- C.AWS WAF
- D.AWS WorkSpaces

Answer: D**Explanation:**

AWS WorkSpaces is a fully managed desktop computing service in the cloud. It allows administrators to provision and manage desktop environments for users, providing them with a secure and scalable solution for accessing their desktops from various devices.

Question: 310

CertyIQ

Which AWS service or feature gives users the ability to capture information about network traffic in a VPC?

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

Answer: A**Explanation:**

Correct answer is A:VPC Flow Logs.

Question: 311

CertyIQ

Which type of AWS storage is ephemeral and is deleted when an Amazon EC2 instance is stopped or terminated?

- A.Amazon Elastic Block Store (Amazon EBS)
- B.Amazon EC2 instance store
- C.Amazon Elastic File System (Amazon EFS)
- D.Amazon S3

Answer: B**Explanation:**

B .Amazon EC2 instance store provides temporary block-level storage that is directly attached to the Amazon EC2 instance. It is referred to as "ephemeral" because the data stored in the instance store volumes is not persistent and is deleted when the EC2 instance is stopped or terminated.

Question: 312

CertyIQ

A company wants to provide access to Windows file shares in AWS from its on-premises workloads. The company does not want to provision any additional infrastructure or applications in its data center.

Which AWS service will meet these requirements?

- A.Amazon FSx File Gateway
- B.AWS DataSync
- C.Amazon S3
- D.AWS Snow Family

Answer: A**Explanation:**

Amazon FSx File Gateway is a service that enables on-premises access to file data stored in Amazon FSx for Windows File Server. It allows you to access Amazon FSx file shares from your on-premises workloads without provisioning additional infrastructure or applications in your data center.

Question: 313

CertyIQ

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**Explanation:**

Amazon S3 (Simple Storage Service) is a fully managed object storage service that provides durable storage for static content. It is designed for scalability, high availability, and low-latency access to store and retrieve any amount of data.

Question: 314

CertyIQ

An ecommerce company wants to use Amazon EC2 Auto Scaling to add and remove EC2 instances based on CPU utilization.

Which AWS service or feature can initiate an Amazon EC2 Auto Scaling action to achieve this goal?

- A.Amazon Simple Queue Service (Amazon SQS)
- B.Amazon Simple Notification Service (Amazon SNS)
- C.AWS Systems Manager
- D.Amazon CloudWatch alarm

Answer: D

Explanation:

Amazon CloudWatch alarm.

Amazon CloudWatch is a monitoring service that provides data and actionable insights for AWS resources. You can set up CloudWatch alarms to monitor metrics, such as CPU utilization, and trigger Auto Scaling actions based on defined thresholds.

CertyIQ

Question: 315

A company wants to transform its workforce by attracting and developing a digitally fluent high-performance workforce. The company wants to attract a diverse and inclusive workforce with appropriate mix of technical and non-technical skills.

Which AWS Cloud Adoption Framework (AWS CAF) perspective will meet these requirements?

- A.Business
- B.People
- C.Platform
- D.Operations

Answer: B

Explanation:

B. PeopleThe AWS Cloud Adoption Framework (AWS CAF) has several perspectives, and the "People" perspective is focused on workforce transformation, including attracting and developing a digitally fluent high-performance workforce. This perspective emphasizes the importance of organizational culture, skills development, and creating a diverse and inclusive workforce with the right mix of technical and non-technical skills.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-caf-people-perspective/aws-caf-people-perspective.html>

CertyIQ

Question: 316

A company wants to move its on-premises databases to managed cloud database services by using a simplified migration process.

Which AWS service or tool can help the company meet this requirement?

- A.AWS Storage Gateway
- B.AWS Application Migration Service
- C.AWS DataSync
- D.AWS Database Migration Service (AWS DMS)

Answer: D

Explanation:

D. AWS Database Migration Service (AWS DMS) AWS Database Migration Service (DMS) is the service designed to help migrate on-premises databases to managed cloud database services in a simplified manner. It supports various database engines and provides a reliable and efficient way to migrate data with minimal downtime.

Question: 317

CertyIQ

A company needs a fully managed file server that natively supports Microsoft workloads and file systems. The file server must also support the SMB protocol.

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

- A.Amazon Elastic File System (Amazon EFS)
- B.Amazon FSx for Lustre
- C.Amazon FSx for Windows File Server
- D.Amazon Elastic Block Store (Amazon EBS)

Answer: C

Explanation:

C. Amazon FSx for Windows File Server Amazon FSx for Windows File Server is the AWS service that provides a fully managed file server that natively supports Microsoft workloads and file systems. It is built on Windows Server and supports the Server Message Block (SMB) protocol, making it suitable for seamlessly integrating with Microsoft applications and workloads.

Question: 318

CertyIQ

A company has been storing monthly reports in an Amazon S3 bucket. The company exports the report data into comma-separated values (.csv) files. A developer wants to write a simple query that can read all of these files and generate a summary report.

Which AWS service or feature should the developer use to meet these requirements with the LEAST amount of operational overhead?

- A.Amazon S3 Select
- B.Amazon Athena
- C.Amazon Redshift
- D.Amazon EC2

Answer: B

Explanation:

Amazon Athena is a serverless query service that allows you to analyze data directly in Amazon S3 using standard SQL. It enables you to query .csv files stored in Amazon S3 without the need to set up and manage infrastructure. Athena automatically scales and charges you only for the queries you run.

Question: 319

CertyIQ

Which AWS feature provides a no-cost platform for AWS users to join community groups, ask questions, find answers, and read community-generated articles about best practices?

- A.AWS Knowledge Center
- B.AWS re:Post
- C.AWS IQ
- D.AWS Enterprise Support

Answer: B

Explanation:

B. AWS re:PostAWS re:Post is a no-cost platform that provides AWS users with a community space to ask questions, find answers, and engage with other users. Users can join community groups, participate in discussions, and read community-generated articles about best practices. It is a part of the AWS Community and allows users to share knowledge and experiences.The other options are not specifically associated with a community platform.

Question: 320

CertyIQ

A company needs to search for text in documents that are stored in Amazon S3.

Which AWS service will meet these requirements?

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

Answer: A

Explanation:

A. Amazon KendraAmazon Kendra is a highly accurate and easy-to-use intelligent search service powered by machine learning. It enables you to index your documents, including text in various formats, and provides natural language search capabilities.

Question: 321

CertyIQ

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

- A.AWS Fargate
- B.Amazon CloudFront
- C.AWS Global Accelerator
- D.AWS Wavelength
- E.Amazon VPC

Answer: BC

Explanation:

B.Amazon CloudFront.

C.AWS Global Accelerator.

Question: 322

CertyIQ

A user needs a relational database but does not have the resources to manage the hardware, resiliency, and replication.

Which AWS service option meets the user's requirements?

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

Answer: C

Explanation:

C. Choose Amazon RDS for MySQL. Amazon RDS (Relational Database Service) is a fully managed relational database service that takes care of tasks such as hardware provisioning, database setup, patching, and backups. It provides a managed environment for various database engines, including MySQL. With Amazon RDS for MySQL, users can offload the operational aspects of database management and focus on their application development.

Question: 323

CertyIQ

A company needs to deploy applications in the AWS Cloud as quickly as possible. The company also needs to minimize the complexity that is related to the management of AWS resources.

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

- A.AWS Config
- B.AWS Elastic Beanstalk
- C.Amazon EC2
- D.Amazon Personalize

Answer: B

Explanation:

AWS Elastic Beanstalk is a fully managed service that makes it easy to deploy and run applications in multiple languages (such as Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker) on AWS. It abstracts away the underlying infrastructure, allowing developers to focus on writing code while AWS handles the deployment, capacity provisioning, load balancing, and automatic scaling.

Question: 324

CertyIQ

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

- A.AWS Software Development Kit

- B.AWS Management Console
- C.AWS CodePipeline
- D.AWS Config

Answer: A

Explanation:

A. AWS Software Development KitThe AWS Software Development Kit (SDK) is the mechanism that allows developers to access AWS services from application code. The SDK provides libraries and APIs that developers can use to interact with AWS services programmatically. It supports multiple programming languages, making it easier for developers to integrate AWS services into their applications.

Reference:

<https://docs.aws.amazon.com/panorama/latest/dev/applications-awssdk.html>

Question: 325

CertyIQ

A company is migrating to the AWS Cloud. The company wants to understand and identify potential security misconfigurations or unexpected behaviors. The company wants to prioritize any protective controls it might need.

Which AWS Cloud Adoption Framework (AWS CAF) security perspective capability will meet these requirements?

- A.Identity and access management
- B.Threat detection
- C.Platform engineering
- D.Availability and continuity management

Answer: B

Explanation:

B. Threat Detection. Threat detection – Understand and identify potential security misconfigurations, threats, or unexpected behaviours.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/security-perspective.html>

Question: 326

CertyIQ

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

Explanation:

Correct answer is C:AWS Direct Connect.

CertyIQ

Question: 327

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: CE

Explanation:

- C.VPC peering.
- E.AWS Transit Gateway.

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-peering.html>
<https://docs.aws.amazon.com/vpc/latest/tgw/transit-gateway-isolated.html>

CertyIQ

Question: 328

Which AWS service converts text to lifelike voices?

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

Answer: C

Explanation:

Correct answer is C:Amazon Polly.

CertyIQ

Question: 329

A company wants to use application stacks to run a workload in the AWS Cloud. The company wants to use pre-configured instances.

Which AWS service will meet these requirements?

- A.Amazon Lightsail
- B.Amazon Athena
- C.AWS Outposts
- D.Amazon EC2

Answer: A

Explanation:

Amazon Lightsail can deploy application stacks. For instance, you can deploy a LAMP (Linux Apache MySQL PHP) stack application onto a single Lightsail instance 1. Amazon Lightsail offers virtual servers, storage, databases, and networking, plus a cost-effective, monthly plan 12. You can also use Amazon Lightsail to develop, deploy, and manage LAMP stack applications on AWS 2. If you are interested in automating the deployment of your applications to Amazon Lightsail, you can use AWS CodeDeploy and AWS CodePipeline.

Question: 330

CertyIQ

Which AWS services are supported by Savings Plans? (Choose two.)

- A.Amazon EC2
- B.Amazon RDS
- C.Amazon SageMaker
- D.Amazon Redshift
- E.Amazon DynamoDB

Answer: AC

Explanation:

- A.Amazon EC2.
- C.Amazon SageMaker.

Reference:

<https://docs.aws.amazon.com/savingsplans/latest/userguide/what-is-savings-plans.html>

Question: 331

CertyIQ

Which AWS service or tool can provide rightsizing recommendations for Amazon EC2 resources at no additional cost?

- A.AWS Well-Architected Tool
- B.Amazon CloudWatch
- C.AWS Cost Explorer
- D.Amazon S3 analytics

Answer: C

Explanation:

Correct answer is C:AWS Cost Explorer.

Question: 332

A company operates a petabyte-scale data warehouse to analyze its data. The company wants a solution that will not require manual hardware and software management.

Which AWS service will meet these requirements?

- A.Amazon DocumentDB (with MongoDB compatibility)
- B.Amazon Redshift
- C.Amazon Neptune
- D.Amazon ElastiCache

Answer: B**Explanation:**

Correct answer is B:Amazon Redshift.

Question: 333

A library wants to automate the classification of electronic books based on the contents of the books.

Which AWS service should the library use to meet this requirement?

- A.Amazon Redshift
- B.Amazon CloudSearch
- C.Amazon Comprehend
- D.Amazon Aurora

Answer: C**Explanation:**

Amazon Comprehend (Option C): Amazon Comprehend is a natural language processing (NLP) service that can be used to analyze and extract insights from text. It provides capabilities such as sentiment analysis, key phrase extraction, entity recognition, and language detection. In the context of a library wanting to automate the classification of electronic books based on their contents, Amazon Comprehend could be used to analyze the text content of the books and extract relevant information for classification purposes.

Question: 334

Which task is a responsibility of AWS, according to the AWS shared responsibility model?

- A.Encryption of application data
- B.Authentication of application users
- C.Protection of physical network infrastructure
- D.Configuration of firewalls

Answer: C

Explanation:

Protection of physical network infrastructure.

CertyIQ

Question: 335

Which options are AWS Cloud Adoption Framework (AWS CAF) cloud transformation journey recommendations? (Choose two.)

- A.Envision phase
- B.Align phase
- C.Assess phase
- D.Mobilize phase
- E.Migrate and modernize phase

Answer: AB

Explanation:

- A. Envision phase.
- B. Align phase.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/your-cloud-transformation-journey.html>

CertyIQ

Question: 336

A company wants to generate a list of IAM users. The company also wants to view the status of various credentials that are associated with the users, such as password, access keys, and multi-factor authentication (MFA) devices.

Which AWS service or feature will meet these requirements?

- A.IAM credential report
- B.AWS IAM Identity Center (AWS Single Sign-On)
- C.AWS Identity and Access Management Access Analyzer
- D.AWS Cost and Usage Report

Answer: A

Explanation:

Correct answer is A:IAM credential report.

CertyIQ

Question: 337

A company is designing its AWS workloads so that components can be updated regularly and so that changes can

be made in small, reversible increments.

Which pillar of the AWS Well-Architected Framework does this design support?

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

Answer: C

Explanation:

C. Operational ExcellenceOperational excellence in the AWS Well-Architected Framework focuses on designing and operating workloads to deliver business value, with a strong emphasis on continuous improvement, responding to events, and automation. Making regular updates in small, reversible increments supports the goal of achieving operational excellence by promoting agility and efficiency in the development and deployment processes.

Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/oe-design-principles.html>

CertyIQ

Question: 338

A company wants to track tags, buckets, and prefixes for its Amazon S3 objects.

Which S3 feature will meet this requirement?

- A.S3 Inventory report
- B.S3 Lifecycle
- C.S3 Versioning
- D.S3 ACLs

Answer: A

Explanation:

To keep track of objects and their respective tags, buckets, and prefixes, you can use an S3 Inventory report that lists your stored objects within an S3 bucket or with a specific prefix, and their respective metadata and encryption status.

<https://aws.amazon.com/s3/features/>

CertyIQ

Question: 339

A company wants to allow users to authenticate and authorize multiple AWS accounts by using a single set of credentials.

Which AWS service or resource will meet this requirement?

- A.AWS Organizations
- B.IAM user

C.AWS IAM Identity Center (AWS Single Sign-On)

D.AWS Control Tower

Answer: C

Explanation:

C. AWS IAM Identity Center (AWS Single Sign-On) AWS Single Sign-On (SSO) enables centralized authentication and authorization across multiple AWS accounts and other business applications. It allows users to sign in once and access resources in various accounts without the need for separate credentials for each account. This helps simplify access management in a multi-account environment.

Question: 340

CertyIQ

A company created an Amazon EC2 instance. The company wants to control the incoming and outgoing network traffic at the instance level.

Which AWS resource or service will meet this requirement?

- A.AWS Shield
- B.Security groups
- C.Network Access Analyzer
- D.VPC endpoints

Answer: B

Explanation:

B. Security groups Security groups act as virtual firewalls for your Amazon EC2 instances, controlling inbound and outbound traffic. You can configure security groups to allow or deny traffic based on rules that you define. By associating a security group with an EC2 instance, you can control the traffic to and from that instance at the network level.

Question: 341

CertyIQ

A company wants to use the AWS Cloud to deploy an application globally.

Which architecture deployment model should the company use to meet this requirement?

- A.Multi-Region
- B.Single-Region
- C.Multi-AZ
- D.Single-AZ

Answer: A

Explanation:

Answer is A While a multi-AZ deployment can provide better availability and resilience than a single-region deployment, it is not the most appropriate architecture for deploying an application globally because it does not offer the same level of performance and latency reduction as a multi-region deployment. In a multi-AZ deployment, the application is deployed in multiple Availability Zones (AZs) within the same region. This

means that the application is still subject to regional outages, which can affect users in that region. Additionally, latency to users in other regions may still be high.

Question: 342

CertyIQ

A company wants a web application to interact with various AWS services.

Which AWS service or resource will meet this requirement?

- A.AWS CloudShell
- B.AWS Marketplace
- C.AWS Management Console
- D.AWS CLI

Answer: C

Explanation:

The AWS Management Console is a web-based interface that allows users to interact with various AWS services. It provides a graphical user interface (GUI) for managing and configuring AWS resources. Users can perform tasks such as launching EC2 instances, configuring S3 buckets, setting up security groups, and more, directly through the console.

Reference:

<https://docs.aws.amazon.com/awsconsolehelpdocs/latest/gsg/learn-whats-new.html>

Question: 343

CertyIQ

A company is migrating its applications from on-premises to the AWS Cloud. The company wants to ensure that the applications are assigned only the minimum permissions that are needed to perform all operations.

Which AWS service will meet these requirements?

- A.AWS Identity and Access Management (IAM)
- B.Amazon CloudWatch
- C.Amazon Macie
- D.Amazon GuardDuty

Answer: A

Explanation:

A. AWS Identity and Access Management (IAM)AWS IAM is the service specifically designed for managing access to AWS services and resources. It allows you to create and manage users, groups, and roles and define fine-grained permissions through policies. By carefully crafting IAM policies, you can grant only the necessary permissions to each application or user, following the principle of least privilege.

Question: 344

CertyIQ

Which options are AWS Cloud Adoption Framework (AWS CAF) governance perspective capabilities? (Choose two.)

- A.Identity and access management
- B.Cloud financial management
- C.Application portfolio management
- D.Innovation management
- E.Product management

Answer: BC

Explanation:

- B.Cloud financial management.
- C.Application portfolio management.

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/overview-aws-cloud-adoption-framework/governance-perspective.html>

Question: 345

CertyIQ

Which AWS service provides a single location to track the progress of application migrations?

- A.AWS Application Discovery Service
- B.AWS Application Migration Service
- C.AWS Service Catalog
- D.AWS Migration Hub

Answer: D

Explanation:

Correct answer is D:AWS Migration Hub.

Reference:

<https://docs.aws.amazon.com/migrationhub/latest/ug/whatishub.html>

Question: 346

CertyIQ

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI).

Which actions can a system administrator take to connect to the EC2 instance? (Choose two.)

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

Answer: AD

Explanation:

- A.Use Amazon EC2 Instance Connect.
- D.Use AWS Systems Manager Session Manager.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/connect-linux-inst-eic.html>

<https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html>

CertyIQ

Question: 347

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

Explanation:

Correct answer is D:Elasticity.

CertyIQ

Question: 348

Which task requires a user to sign in as the AWS account root user?

- A.The deletion of IAM users
- B.The deletion of an AWS account
- C.The creation of an organization in AWS Organizations
- D.The deletion of Amazon EC2 instances

Answer: B

Explanation:

The AWS account root user has the highest level of access and is associated with the email address used to create the AWS account. Certain tasks, such as the deletion of an entire AWS account, can only be performed by the AWS account root user. Other administrative tasks, like creating an organization in AWS Organizations or deleting IAM users, can often be performed by IAM users with appropriate permissions, and it is recommended to use IAM users instead of relying on the root user for day-to-day activities.

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/root-user-tasks.html>

Question: 349

CertyIQ

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**Explanation:**

Automatic cost savings by moving objects between tiers based on access pattern changes.

Reference:

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

Question: 350

CertyIQ

A company needs Amazon EC2 instances for a workload that can tolerate interruptions.

Which EC2 instance purchasing option meets this requirement with the LARGEST discount compared to On-Demand prices?

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

Answer: A**Explanation:**

Spot Instances provide the largest discount compared to On-Demand prices, but they come with the caveat that they can be terminated by AWS if the capacity is needed by On-Demand or Reserved Instances. Spot Instances are suitable for workloads that can tolerate interruptions and are cost-effective for applications that have flexible start and end times or that can be distributed across multiple instances.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-spot-instances.html>

Question: 351

CertyIQ

A company is planning to migrate to the AWS Cloud. The company wants to identify measurable business outcomes that will explain the value of the company's decision to migrate.

Which phase of the cloud transformation journey includes these activities?

- A.Envision
- B.Align
- C.Scale
- D.Launch

Answer: A

Explanation:

Envision is the correct answer. Envision identify and prioritize transformation opportunities in line with your strategic objectives. Associating your transformation initiatives with key stakeholders and measurable business outcomes will help you demonstrate value as you progress through your transformation journey.

Question: 352

CertyIQ

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

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

Answer: A

Explanation:

Correct answer is A:Internet gateway.

Reference:

https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html

Question: 353

CertyIQ

Which AWS service can companies use to create infrastructure from code?

- A.Amazon Elastic Kubernetes Service (Amazon EKS)
- B.AWS Outposts
- C.AWS CodePipeline
- D.AWS CloudFormation

Answer: D

Explanation:

CloudFormation is Infrastructure as Code.

Question: 354

CertyIQ

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

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

Answer: C

Explanation:

Design for automated recovery from failure.

CertyIQ

Question: 355

A company needs to move 75 petabytes of data from its on-premises data centers to AWS.

Which AWS service should the company use to meet these requirements MOST cost-effectively?

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

Answer: B

Explanation:

Correct answer is B:AWS Snowmobile.

Reference:

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

CertyIQ

Question: 356

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

- A.Resource scalability
- B.Performance efficiency
- C.System elasticity
- D.Agile development
- E.Operational excellence

Answer: BE

Explanation:

- B. Performance efficiency.
- E. Operational excellence

Question: 357

CertyIQ

A company needs to connect its on-premises data center to the AWS Cloud. The company needs a dedicated, low-latency connection with consistent network performance.

Which AWS service will meet these requirements?

- A.AWS Global Accelerator
- B.Amazon CloudFront
- C.AWS Direct Connect
- D.AWS Managed VPN

Answer: C**Explanation:**

AWS Direct Connect provides a dedicated network connection from an on-premises data center to AWS. It offers a private, dedicated, and high-bandwidth connection that can help ensure low-latency and consistent network performance. Direct Connect is particularly suitable for scenarios where a company requires a reliable and predictable connection to AWS resources without going over the public internet

Question: 358

CertyIQ

Which design principles should a company apply to AWS Cloud workloads to maximize sustainability and minimize environmental impact? (Choose two.)

- A.Maximize utilization of Amazon EC2 instances.
- B.Minimize utilization of Amazon EC2 instances.
- C.Minimize usage of managed services.
- D.Force frequent application reinstallations by users.
- E.Reduce the need for users to reinstall applications.

Answer: AE**Explanation:**

- A.Maximize utilization of Amazon EC2 instances.
- E.Reduce the need for users to reinstall applications.

Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/sus-design-principles.html>

Question: 359

CertyIQ

In which ways does the AWS Cloud offer lower total cost of ownership (TCO) of computing resources than on-premises data centers? (Choose two.)

- A.AWS replaces upfront capital expenditures with pay-as-you-go costs.
- B.AWS is designed for high availability, which eliminates user downtime.
- C.AWS eliminates the need for on-premises IT staff.
- D.AWS uses economies of scale to continually reduce prices.

E.AWS offers a single pricing model for Amazon EC2 instances.

Answer: AD

Explanation:

A.AWS replaces upfront capital expenditures with pay-as-you-go costs.

D.AWS uses economies of scale to continually reduce prices.

Reference:

<https://aws.amazon.com/blogs/publicsector/tco-cost-optimization-best-practices-for-managing-usage/>
<https://onica.com/blog/migration/aws-total-cost-of-ownership/>

CertyIQ

Question: 360

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

Explanation:

C. AWS OutpostsAWS Outposts allows you to deploy AWS-designed infrastructure on-premises, providing a consistent hybrid experience. With AWS Outposts, you can run compute and storage workloads locally on your premises while seamlessly connecting to the rest of AWS's broad array of services in the cloud. In this scenario, if the company wants to keep the data local and on-premises to meet regulatory requirements and maintain low latency between AWS and on-premises resources, AWS Outposts would be the suitable option. It extends the AWS infrastructure to your on-premises location, providing a hybrid solution that combines the benefits of both on-premises and cloud resources.

CertyIQ

Question: 361

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

- A.AWS Outposts
- B.Amazon EC2
- C.Amazon Elastic Kubernetes Service (Amazon EKS)
- D.AWS Fargate
- E.AWS Lambda

Answer: DE

Explanation:

D.AWS Fargate.

E.AWS Lambda.

Reference:

<https://docs.aws.amazon.com/AmazonECS/latest/userguide/what-is-fargate.html>
<https://docs.aws.amazon.com/lambda/latest/dg/welcome.html>

CertyIQ

Question: 362

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

Explanation:

C. Dedicated Hosts 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, they can use Dedicated Hosts.

CertyIQ

Question: 363

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

Explanation:

AWS Auto Scaling helps you maintain application availability and allows you to automatically adjust capacity to meet varying demand. In this case, the solutions architect can configure Auto Scaling groups to replace impaired instances and maintain the desired fleet size.

CertyIQ

Question: 364

Which AWS service provides on-premises applications with low-latency access to data that is stored in the AWS Cloud?

- A.Amazon CloudFront
- B.AWS Storage Gateway
- C.AWS Backup
- D.AWS DataSync

Answer: B

Explanation:

AWS Storage Gateway is a hybrid cloud storage service that enables on-premises applications to access low-latency, highly durable storage in the AWS Cloud. It provides a seamless and secure integration between an organization's on-premises environment and AWS Cloud storage resources.

Question: 365

CertyIQ

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

Explanation:

Secure delivery of data, videos, applications, and APIs to users globally with low latency.

Question: 366

CertyIQ

Which AWS service supports the deployment and management of applications in the AWS Cloud?

- A.Amazon CodeGuru
- B.AWS Fargate
- C.AWS CodeCommit
- D.AWS Elastic Beanstalk

Answer: D

Explanation:

D. AWS Elastic BeanstalkAWS Elastic Beanstalk is a fully managed service that supports the deployment and management of applications in the AWS Cloud. It abstracts the underlying infrastructure complexities, allowing developers to focus on writing code without worrying about the operational aspects of deploying and

scaling applications. While other services like Amazon CodeGuru, AWS Fargate, and AWS CodeCommit play roles in the development and deployment process, AWS Elastic Beanstalk specifically provides a platform-as-a-service (PaaS) environment for deploying and managing applications with ease.

Question: 367

CertyIQ

A company wants to integrate natural language processing (NLP) into business intelligence (BI) dashboards. The company wants to ask questions and receive answers with relevant visualizations.

Which AWS service or tool will meet these requirements?

- A.Amazon Macie
- B.Amazon Rekognition
- C.Amazon QuickSight Q
- D.Amazon Lex

Answer: C

Explanation:

C. Amazon QuickSight QAmazon QuickSight Q is the AWS service or tool that allows users to integrate natural language processing (NLP) into business intelligence (BI) dashboards. With QuickSight Q, users can ask questions using natural language and receive answers with relevant visualizations. It enables an interactive and conversational experience for querying and exploring data within BI dashboards.

Reference:

<https://docs.aws.amazon.com/quicksight/latest/user/working-with-quicksight-q.html>

Question: 368

CertyIQ

Which Amazon S3 feature or storage class uses the AWS backbone network and edge locations to reduce latencies from the end user to Amazon S3?

- A.S3 Cross-Region Replication
- B.S3 Transfer Acceleration
- C.S3 Event Notifications
- D.S3 Standard-Infrequent Access (S3 Standard-IA)

Answer: B

Explanation:

1. B. S3 Transfer AccelerationS3 Transfer Acceleration is a feature of Amazon S3 that uses Amazon CloudFront's globally distributed edge locations to accelerate transfers of files to and from Amazon S3 buckets. It leverages the AWS backbone network and edge locations to reduce latencies and increase transfer speeds for both uploading and downloading content from Amazon S3. This feature is particularly useful when users or applications are located far from the AWS region where the S3 bucket is hosted, as it optimizes the data path and helps achieve faster data transfers by using the CloudFront network.

S3 Transfer Acceleration is a feature of Amazon S3 that uses Amazon CloudFront's globally distributed edge locations to accelerate transfers of files to and from Amazon S3 buckets. It leverages the AWS backbone

network and edge locations to reduce latencies and increase transfer speeds for both uploading and downloading content from Amazon S3. This feature is particularly useful when users or applications are located far from the AWS region where the S3 bucket is hosted, as it optimizes the data path and helps achieve faster data transfers by using the CloudFront network

Question: 369

CertyIQ

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

Explanation:

Correct answer is B:Amazon DynamoDB.

Reference:

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

Question: 370

CertyIQ

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

Explanation:

Amazon Aurora is a relational database management system (RDBMS) built for the cloud with full MySQL and PostgreSQL compatibility.

Amazon Aurora is a fully managed relational database service that is compatible with MySQL and PostgreSQL. It provides high performance and availability with the ease of use of a fully managed database service.

Question: 371

CertyIQ

Which architecture design principle describes the need to isolate failures between dependent components in the AWS Cloud?

- A.Use a monolithic design.

- B.Design for automation.
- C.Design for single points of failure.
- D.Losely couple components.

Answer: D

Explanation:

Loosely coupling components is a design principle that emphasizes minimizing dependencies between different components in a system. This helps isolate failures, meaning that if one component fails or undergoes changes, it doesn't have a significant impact on other components. This design principle contributes to increased resilience, flexibility, and easier maintenance of the overall system.

Question: 372

CertyIQ

Which benefit of cloud computing gives a company the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations?

- A.Economy of scale
- B.Global reach
- C.Agility
- D.High availability

Answer: B

Explanation:

The benefit of cloud computing that provides the ability to deploy applications to users all over the world through a network of AWS Regions, Availability Zones, and edge locations is referred to as "Global reach." AWS has a global infrastructure with multiple Regions, each consisting of multiple Availability Zones, and edge locations for content delivery. This global reach allows companies to distribute their applications and content closer to end-users, reducing latency and improving the overall user experience.

Question: 373

CertyIQ

Which AWS service makes it easier to monitor and troubleshoot application logs and cloud resources?

- A.Amazon EC2
- B.AWS Identity and Access Management (IAM)
- C.Amazon CloudWatch
- D.AWS CloudTrail

Answer: C

Explanation:

Amazon CloudWatch is an AWS monitoring service for cloud resources and the applications that you run on AWS. You can use Amazon CloudWatch to collect and track metrics, collect and monitor log files, and set alarms.

Amazon CloudWatch is the AWS service that makes it easier to monitor and troubleshoot application logs and

cloud resources. CloudWatch allows you to collect and track metrics, collect and monitor log files, set alarms, and automatically react to changes in your AWS resources. It provides a unified view of your AWS resources, applications, and services that run on AWS. With CloudWatch, you can gain system-wide visibility into resource utilization, application performance, and operational health.

Question: 374

CertyIQ

Which AWS service uses AWS Compute Optimizer to provide sizing recommendations based on workload metrics?

- A.Amazon EC2
- B.Amazon RDS
- C.Amazon Lightsail
- D.AWS Step Functions

Answer: A

Explanation:

AWS Compute Optimizer provides sizing recommendations for Amazon EC2 instances based on workload metrics. It analyzes historical usage data and recommends optimal instance types, sizes, and families for your workloads to improve performance and reduce costs.

Question: 375

CertyIQ

Which AWS service will help a company plan a migration to AWS by collecting the configuration, usage, and behavior data of on-premises data centers?

- A.AWS Resource Groups
- B.AWS Application Discovery Service
- C.AWS Service Catalog
- D.AWS Systems Manager

Answer: B

Explanation:

AWS Application Discovery Service helps you plan your migration to the AWS cloud by collecting usage and configuration data about your on-premises servers and databases.

Question: 376

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Which AWS service uses a combination of publishers and subscribers?

- A.AWS Lambda
- B.Amazon Simple Notification Service (Amazon SNS)
- C.Amazon CloudWatch
- D.AWS CloudFormation

Answer: B

Explanation:

Amazon Simple Notification Service (SNS) makes it easy for you to build an application using the pub/sub messaging model. You can send messages from your applications to customers or other applications in a scalable and cost-efficient manner.

B. Amazon Simple Notification Service (Amazon SNS)

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Question: 377

A company is in the early stages of planning a migration to AWS. The company wants to obtain the monthly predicted total AWS cost of ownership for future Amazon EC2 instances and associated storage.

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

- A.AWS Pricing Calculator
- B.AWS Compute Optimizer
- C.AWS Trusted Advisor
- D.AWS Application Migration Service

Answer: A

Explanation:

Answer A.AWS Pricing Calculator.

Thank you

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