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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!

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 😊.

Ahamed Shibly

2 months ago



Customer support is really 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!

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!

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.

Amazon

(AWS Certified Cloud Practitioner CLF-C02)

AWS Certified Cloud Practitioner CLF-C02

Total: **377 Questions**

Link: <https://certyiq.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.

Question: 4

CertyIQ

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#>

Question: 5

CertyIQ

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.

Question: 6

CertyIQ

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/>

Question: 14

CertyIQ

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 QuickSight powers data-driven organizations with unified business intelligence (BI) at hyperscale. With QuickSight, 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/>

Question: 15

CertyIQ

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/>

Question: 16**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/>

Question: 17**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

CertyIQ

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

CertyIQ

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

CertyIQ

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/>

Question: 36**CertyIQ**

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>

Question: 37**CertyIQ**

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

CertyIQ

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/>

Question: 44

CertyIQ

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

Question: 45

CertyIQ

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 => Platform Event management => Operations Cloud fluency => People Strategic partnership => Business.

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

Question: 46

CertyIQ

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.

Question: 52**CertyIQ**

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.

Question: 53**CertyIQ**

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**CertyIQ**

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**CertyIQ**

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**CertyIQ**

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

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 CloudTrail AWS 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.

Question: 65

CertyIQ

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.

Question: 66

CertyIQ

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.

Question: 67

CertyIQ

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.

Question: 68

CertyIQ

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.

Question: 69

CertyIQ

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:

AWS 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.

Question: 73

CertyIQ

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.

Question: 74

CertyIQ

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.

Thank you

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