

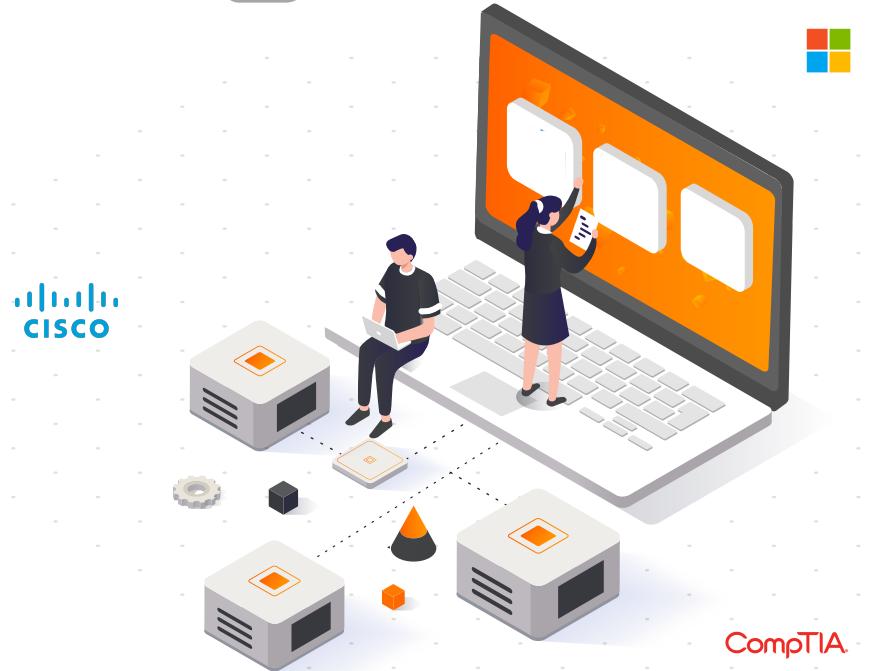


# CertyIQ

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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 CertiIQ 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)

AWS Certified Cloud Practitioner (CLF-C01)

Total: **1013 Questions**

Link: <https://certiq.com/papers/amazon/aws-certified-cloud-practitioner>

**Question: 1**

CertyIQ

A company is planning to run a global marketing application in the AWS Cloud. The application will feature videos that can be viewed by users. The company must ensure that all users can view these videos with low latency. Which AWS service should the company use to meet this requirement?

- A. AWS Auto Scaling
- B. Amazon Kinesis Video Streams
- C. Elastic Load Balancing
- D. Amazon CloudFront

**Answer: D****Explanation:**

Reduce latency by delivering data through 410+ globally dispersed Points of Presence (PoPs) with automated network mapping and intelligent routing.

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

**Question: 2**

CertyIQ

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:**

B. Reliability

The reliability pillar focuses on workloads performing their intended functions and how to recover quickly from failure to meet demands. Key topics include distributed system design, recovery planning, and adapting to changing requirements.

<https://aws.amazon.com/architecture/well-architected/>

**Question: 3**

CertyIQ

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

- A. Operational resilience
- B. Discounts for products on Amazon.com
- C. Business agility
- D. Business excellence
- E. Increased staff retention

**Answer: AC**

**Explanation:**

- A. Operational resilience
- C. Business agility

**CertyIQ**

**Question: 4**

A company is planning to replace its physical on-premises compute servers with AWS serverless compute services. The company wants to be able to take advantage of advanced technologies quickly after the migration. Which pillar of the AWS Well-Architected Framework does this plan represent?

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

**Answer: B**

**Explanation:**

From: <https://docs.aws.amazon.com/wellarchitected/latest/performance-efficiency-pillar/performance-efficiency.html>

The performance efficiency pillar focuses on the efficient use of computing resources to meet requirements, and how to maintain efficiency as demand changes and technologies evolve

**CertyIQ**

**Question: 5**

A large company has multiple departments. Each department has its own AWS account. Each department has purchased Amazon EC2 Reserved Instances.

Some departments do not use all the Reserved Instances that they purchased, and other departments need more Reserved Instances than they purchased.

The company needs to manage the AWS accounts for all the departments so that the departments can share the Reserved Instances.

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

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

**Answer: D**

**Explanation:**

Correct is D. Because asked "manage the AWS accounts for all the departments"

Reference:

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

**Question: 6**

CertyIQ

Which component of the AWS global infrastructure is made up of one or more discrete data centers that have redundant power, networking, and connectivity?

- A. AWS Region
- B. Availability Zone
- C. Edge location
- D. AWS Outposts

**Answer: B****Explanation:**

Answer is B. An availability zone can be made of one or multiple datacenters. An AWS region has at least 3 availability zones, that are separated by multiple kilometers. Then, a region has at least 3 datacenters.

**Question: 7**

CertyIQ

Which duties are the responsibility of a company that is using AWS Lambda? (Choose two.)

- A. Security inside of code
- B. Selection of CPU resources
- C. Patching of operating system
- D. Writing and updating of code
- E. Security of underlying infrastructure

**Answer: AD****Explanation:**

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

Customer is responsible for security "IN" the cloud. For this question, it means the Company ("Customer") is responsible for their own code management (updates. CI/CD)

**Question: 8**

CertyIQ

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

- A. 2|I| 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:**

<https://docs.aws.amazon.com/whitepapers/latest/disaster-recovery-workloads-on-aws/disaster-recovery-options-in-the-cloud.html>

You can back up Amazon EC2 instances used by your workload as Amazon Machine Images (AMIs). The AMI is created from snapshots of your instance's root volume and any other EBS volumes attached to your instance. You can use this AMI to launch a restored version of the EC2 instance

CertyIQ

**Question: 9**

A company is migrating to the AWS Cloud instead of running its infrastructure on premises. Which of the following are advantages of this migration? (Choose two.)

- A. Elimination of the need to perform security auditing
- B. Increased global reach and agility
- C. Ability to deploy globally in minutes
- D. Elimination of the cost of IT staff members
- E. Redundancy by default for all compute services

**Answer: BC**

**Explanation:**

Additional reference to support the answers B, C.

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

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**Question: 10**

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

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

**Answer: C**

**Explanation:**

C is the correct answer, the question explicitly mentioned that "The application cannot sustain any interruption" of which Spot Instances are ideal for workloads with flexible start and end times, or that can withstand interruptions. Ideally we want pricing that doesn't allow interruption in this case it will be On-Demand

**Question: 11**

CertyIQ

A company wants to review its monthly costs of using Amazon EC2 and Amazon RDS for the past year. Which AWS service or tool provides this information?

- A. AWS Trusted Advisor
- B. Cost Explorer
- C. Amazon Forecast
- D. Amazon CloudWatch

**Answer: B****Explanation:**

After you enable Cost Explorer, AWS prepares the data about your costs for the current month and the last 12 months, and then calculates the forecast for the next 12 months. The current month's data is available for viewing in about 24 hours. The rest of your data takes a few days longer. Cost Explorer updates your cost data at least once every 24 hours

**Question: 12**

CertyIQ

A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application.

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

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

**Answer: B****Explanation:**

From: <https://aws.amazon.com/lambda/>

1. Run code without provisioning or managing infrastructure. Simply write and upload code as a .zip file or container image.
2. Automatically respond to code execution requests at any scale, from a dozen events per day to hundreds of thousands per second.
3. Save costs by paying only for the compute time you use—by per-millisecond—instead of provisioning infrastructure upfront for peak capacity

**Question: 13**

CertyIQ

Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

- A. AWS Management Console
- B. AWS Cloud9

- C. AWS CodePipeline
- D. AWS software development kits (SDKs)

**Answer: D**

**Explanation:**

CodePipeline is not necessarily used for deploying AWS services. It is a DevOps service that offers CI/CD that allows you to deploy code changes to a set codebase given your team/company's release cycle.

The correct answer is D

**CertyIQ**

**Question: 14**

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

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

**Answer: A**

**Explanation:**

The most "effect" on cost. Transferring the data is going to be a set cost. There's not really multiple options to effect the price of transferring. Which storage tier they pick out of all the options can largely effect the final cost.

**CertyIQ**

**Question: 15**

A company is launching an ecommerce application that must always be available. The application will run on Amazon EC2 instances continuously for the next 12 months.

What is the MOST cost-effective instance purchasing option that meets these requirements?

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

**Answer: B**

**Explanation:**

Amazon EC2 Savings Plans enable you to reduce your compute costs by committing to a consistent amount of compute usage for a 1-year or 3-year term. This results in savings of up to 72% over On-Demand Instance costs. Any usage up to the commitment is charged at the discounted Savings Plan rate (for example, \$10 an hour). Any usage beyond the commitment is charged at regular On-Demand Instance rates

**Question: 16**

CertyIQ

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

- A. Cost allocation tags
- B. Key pairs
- C. Amazon Inspector
- D. AWS Trusted Advisor

**Answer: A****Question: 17**

CertyIQ

A company wants to migrate its workloads to AWS, but it lacks expertise in AWS Cloud computing. Which AWS service or feature will help the company with its migration?

- A. AWS Trusted Advisor
- B. AWS Consulting Partners
- C. AWS Artifacts
- D. AWS Managed Services

**Answer: D****Explanation:**

APN Consulting Partners are professional services firms but not AWS service or feature

**Question: 18**

CertyIQ

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

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

**Answer: B****Explanation:**

<https://aws.amazon.com/about-aws/whats-new/2021/04/service-quotas-available-aws-govcloud-us-regions/>

**Question: 19**

CertyIQ

Which documentation does AWS Artifact provide?

- A. Amazon EC2 terms and conditions
- B. AWS ISO certifications

- C. A history of a company's AWS spending
- D. A list of previous-generation Amazon EC2 instance types

**Answer: B**

**Explanation:**

B is correct. Here is the description: AWS Artifact provides on-demand downloads of AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and Service Organization Control (SOC) reports.

Check this out --> <https://docs.aws.amazon.com/artifact/latest/ug/what-is-aws-artifact.html>

## Question: 20

CertyIQ

Which task requires using AWS account root user credentials?

- A. Viewing billing information
- B. Changing the AWS Support plan
- C. Starting and stopping Amazon EC2 instances
- D. Opening an AWS Support case

**Answer: B**

**Explanation:**

[https://aws.amazon.com/premiumsupport/knowledge-center/change-support-plan/?nc1=h\\_ls](https://aws.amazon.com/premiumsupport/knowledge-center/change-support-plan/?nc1=h_ls)

## Question: 21

CertyIQ

A company needs to simultaneously process hundreds of requests from different users.  
Which combination of AWS services should the company use to build an operationally efficient solution?

- A. Amazon Simple Queue Service (Amazon SQS) and AWS Lambda
- B. AWS Data Pipeline and Amazon EC2
- C. Amazon Kinesis and Amazon Athena
- D. AWS Amplify and AWS AppSync

**Answer: A**

**Explanation:**

Data pipeline is not relevant for this question - it moves data between AWS compute / storage services and on-prem data

## Question: 22

CertyIQ

What is the scope of a VPC within the AWS network?

- A. A VPC can span all Availability Zones globally.

- B. A VPC must span at least two subnets in each AWS Region.
- C. A VPC must span at least two edge locations in each AWS Region.
- D. A VPC can span all Availability Zones within an AWS Region.

**Answer: D**

**Explanation:**

- \* A VPC is a logically isolated piece of AWS cloud dedicated to your company. This means, you can run applications on overly provisioned, highly available, and redundant infrastructure setup and it is managed by AWS. All the complexity of setting up a data center with cables, server racks, hardware, power supply, etc. all are managed by AWS.
- \* A VPC belongs to a region.
- \* A VPC spans all availability zones.
- \* You can have multiple VPCs per region.
- \* VPC contains one or more subnets.
- \* A Subnet is tied to a single availability zone.
- \* EC2 instances launch into subnets

### Question: 23

CertyIQ

Which of the following are components of an AWS Site-to-Site VPN connection? (Choose two.)

- A. AWS Storage Gateway
- B. Virtual private gateway
- C. NAT gateway
- D. Customer gateway
- E. Internet gateway

**Answer: BD**

**Explanation:**

The VPC has an attached virtual private gateway, and your on-premises (remote) network includes a customer gateway device, which you must configure to enable the Site-to-Site VPN connection. You set up the routing so that any traffic from the VPC bound for your network is routed to the virtual private gateway

### Question: 24

CertyIQ

A company needs to establish a connection between two VPCs. The VPCs are located in two different AWS Regions. The company wants to use the existing infrastructure of the VPCs for this connection. Which AWS service or feature can be used to establish this connection?

- A. AWS Client VPN
- B. VPC peering
- C. AWS Direct Connect
- D. VPC endpoints

**Answer: B**

**Explanation:**

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses.

Reference:

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

**CertyIQ**

**Question: 25**

According to the AWS shared responsibility model, what responsibility does a customer have when using Amazon RDS to host a database?

- A. Manage connections to the database
- B. Install Microsoft SQL Server
- C. Design encryption-at-rest strategies
- D. Apply minor database patches

**Answer: A**

**Explanation:**

Amazon RDS encrypts your databases using keys you manage with the AWS Key Management Service (KMS). On a database instance running with Amazon RDS encryption, data stored at rest in the underlying storage is encrypted, as are its automated backups, read replicas, and snapshots. Amazon RDS encryption uses the industry standard AES-256 encryption algorithm to encrypt your data on the server that hosts your Amazon RDS instance.

**CertyIQ**

**Question: 26**

What are some advantages of using Amazon EC2 instances to host applications in the AWS Cloud instead of on premises? (Choose two.)

- A. EC2 includes operating system patch management.
- B. EC2 integrates with Amazon VPC, AWS CloudTrail, and AWS Identity and Access Management (IAM).
- C. EC2 has a 100% service level agreement (SLA).
- D. EC2 has a flexible, pay-as-you-go pricing model.
- E. EC2 has automatic storage cost optimization.

**Answer: DE**

**Explanation:**

EC2 doesn't have any storage cost optimization options, only S3 has:

<https://aws.amazon.com/s3/cost-optimization/>

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

B - Increase speed and agility

D - Stop spending money running and maintaining data centers

CertyIQ

**Question: 27**

A user needs to determine whether an Amazon EC2 instance's security groups were modified in the last month. How can the user see if a change was made?

- A. Use Amazon EC2 to see if the security group was changed.
- B. Use AWS Identity and Access Management (IAM) to see which user or role changed the security group.
- C. Use AWS CloudTrail to see if the security group was changed.
- D. Use Amazon CloudWatch to see if the security group was changed.

**Answer: C**

**Explanation:**

CloudTrail is the correct answer:

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

"CloudTrail records user activity and API calls across AWS services as events. CloudTrail events help you answer the questions of "who did what, where, and when?"

CertyIQ

**Question: 28**

Which AWS service will help protect applications running on AWS from DDoS attacks?

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

**Answer: C**

**Explanation:**

AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS.

[https://aws.amazon.com/shield/?nc1=h\\_ls&whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc](https://aws.amazon.com/shield/?nc1=h_ls&whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc)

CertyIQ

**Question: 29**

Which AWS service or feature acts as a firewall for Amazon EC2 instances?

- A. Network ACL
- B. Elastic network interface

- C. Amazon VPC
- D. Security group

**Answer: D**

**Explanation:**

Security Group is correct per AWS Doc : <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

**CertyIQ**

**Question: 30**

How does the AWS Cloud pricing model differ from the traditional on-premises storage pricing model?

- A. AWS resources do not incur costs
- B. There are no infrastructure operating costs
- C. There are no upfront cost commitments
- D. There are no software licensing costs

**Answer: B**

**Explanation:**

B is correct, because in AWS you pay for storage, compute, etc. You don't pay for infra ops directly. On the other hand you can make commitments with saving plans or reserved instances

**CertyIQ**

**Question: 31**

A company has a single Amazon EC2 instance. The company wants to adopt a highly available architecture. What can the company do to meet this requirement?

- A. Scale vertically to a larger EC2 instance size.
- B. Scale horizontally across multiple Availability Zones.
- C. Purchase an EC2 Dedicated Instance.
- D. Change the EC2 instance family to a compute optimized instance.

**Answer: B**

**Explanation:**

Multi AZ for highly available

**CertyIQ**

**Question: 32**

A company's on-premises application deployment cycle was 3-4 weeks. After migrating to the AWS Cloud, the company can deploy the application in 2-3 days.

Which benefit has this company experienced by moving to the AWS Cloud?

- A. Elasticity
- B. Flexibility

- C. Agility
- D. Resilience

**Answer: C**

**Explanation:**

Answer is C. This is the definition of agility as per AWS : Increase speed and agility – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.

### Question: 33

CertyIQ

Which of the following are included in AWS Enterprise Support? (Choose two.)

- A. AWS technical account manager (TAM)
- B. AWS partner-led support
- C. AWS Professional Services
- D. Support of third-party software integration to AWS
- E. 5-minute response time for critical issues

**Answer: AD**

**Explanation:**

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

### Question: 34

CertyIQ

A global media company uses AWS Organizations to manage multiple AWS accounts.

Which AWS service or feature can the company use to limit the access to AWS services for member accounts?

- A. AWS Identity and Access Management (IAM)
- B. Service control policies (SCPs)
- C. Organizational units (OUs)
- D. Access control lists (ACLs)

**Answer: B**

**Explanation:**

Answer is B. "You can use SCPs to allow or deny access to AWS services for individual AWS accounts with AWS Organizations member accounts, or for groups of accounts within an organizational unit (OU)."

<https://aws.amazon.com/premiumsupport/knowledge-center/iam-policy-service-control-policy/>

### Question: 35

CertyIQ

A company wants to limit its employees' AWS access to a portfolio of predefined AWS resources. Which AWS solution should the company use to meet this requirement?

- A. AWS Config
- B. AWS software development kits (SDKs)
- C. AWS Service Catalog
- D. AWS AppSync

**Answer: C**

**Explanation:**

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

Apply access controls

Scale and control permissions so you can manage resource access in multi-account AWS environments.

How it works

AWS Service Catalog lets you centrally manage deployed IT services, applications, resources, and metadata to achieve consistent governance of your infrastructure as code (IaC) templates. With AWS Service Catalog, you can meet your compliance requirements while making sure your customers can quickly deploy the approved IT services they need

**Question: 36**

**CertyIQ**

An online company was running a workload on premises and was struggling to launch new products and features. After migrating the workload to AWS, the company can quickly launch products and features and can scale its infrastructure as required.

Which AWS Cloud value proposition does this scenario describe?

- A. Business agility
- B. High availability
- C. Security
- D. Centralized auditing

**Answer: A**

**Question: 37**

**CertyIQ**

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

- A. AWS management of user-owned infrastructure
- B. Ability to quickly change required capacity
- C. High economies of scale
- D. Increased deployment time to market
- E. Increased fixed expenses

**Answer: BC**

**Explanation:**

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

**Question: 38****CertyIQ**

AWS has the ability to achieve lower pay-as-you-go pricing by aggregating usage across hundreds of thousands of users.

This describes which advantage of the AWS Cloud?

- A. Launch globally in minutes
- B. Increase speed and agility
- C. High economies of scale
- D. No guessing about compute capacity

**Answer: C****Explanation:**

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

**Question: 39****CertyIQ**

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

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

**Answer: A****Explanation:**

A. Amazon S3

<https://aws.amazon.com/rds/features/backup/>

**Question: 40****CertyIQ**

A company is developing a mobile app that needs a high-performance NoSQL database.

Which AWS services could the company use for this database? (Choose two.)

- A. Amazon Aurora
- B. Amazon RDS
- C. Amazon Redshift
- D. Amazon DocumentDB (with MongoDB compatibility)
- E. Amazon DynamoDB

**Answer: DE****Explanation:**

Correct answer is D & E, Amazon DyamoDB it's a NoSQL (Refference: <https://aws.amazon.com/es/dynamodb/>)

and algo MongoDB (Reference: <https://en.wikipedia.org/wiki/MongoDB> & <https://www.mongodb.com/es/nosql-explained>)

### Question: 41

CertyIQ

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

- A. Patch the Amazon EC2 guest operating system.
- B. Upgrade the firmware of the network infrastructure.
- C. Apply password rotation for IAM users.
- D. Maintain the physical security of edge locations.
- E. Maintain least privilege access to the root user account.

Answer: BD

### Question: 42

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:

<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

Network ACLs are stateless, which means that responses to allowed inbound traffic are subject to the rules for outbound traffic (and vice versa).

Rules are evaluated starting with the lowest numbered rule. As soon as a rule matches traffic, it's applied regardless of any higher-numbered rule that might contradict it

### Question: 43

CertyIQ

A company has designed its AWS Cloud infrastructure to run its workloads effectively. The company also has protocols in place to continuously improve supporting processes.

Which pillar of the AWS Well-Architected Framework does this scenario represent?

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

Answer: D

**Explanation:**

The Operational Excellence pillar includes the ability to support development and run workloads effectively, gain insight into their operations, and to continuously improve supporting processes and procedures to deliver business value

**Question: 44****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:**

Correct answer is C- Direct connect is for private dedicated connection between on premise and AWS.

PrivateLink provides direct secure connections from VPCs to other AWS services.

VPC Private Link is a way of making your service available to set of consumers. You can expose a service and the consumers can consume your service by creating an endpoint for your service. With PrivateLink, endpoints are instead created directly inside of your VPC, using Elastic Network Interfaces (ENIs) and IP addresses in your VPC's subnets. To use AWS PrivateLink, create a VPC endpoint in your VPC, specifying the name of the service and a subnet. This creates an elastic network interface in the subnet that serves as an entry point for traffic destined to the service. The service is now in your VPC, enabling connectivity to AWS services via private IP addresses.

**Question: 45****CertyIQ**

A company needs to graphically visualize AWS billing and usage over time. The company also needs information about its AWS monthly costs.

Which AWS Billing and Cost Management tool provides this data in a graphical format?

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

**Answer: B****Question: 46****CertyIQ**

A company wants to run production workloads on AWS. The company needs concierge service, a designated AWS technical account manager (TAM), and technical support that is available 24 hours a day, 7 days a week.

Which AWS Support plan will meet these requirements?

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

**Answer: B**

**CertyIQ**

**Question: 47**

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. Loosely couple components.

**Answer: D**

**CertyIQ**

**Question: 48**

Which AWS services are managed database services? (Choose two.)

- A. Amazon Elastic Block Store (Amazon EBS)
- B. Amazon S3
- C. Amazon RDS
- D. Amazon Elastic File System (Amazon EFS)
- E. Amazon DynamoDB

**Answer: CE**

**Explanation:**

Except for C & E, none of them is DB services so, the answer is C & E

**CertyIQ**

**Question: 49**

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**

**Question: 50****CertyIQ**

A company recently deployed an Amazon RDS instance in its VPC. The company needs to implement a stateful firewall to limit traffic to the private corporate network.

Which AWS service or feature should the company use to limit network traffic directly to its RDS instance?

- A. Network ACLs
- B. Security groups
- C. AWS WAF
- D. Amazon GuardDuty

**Answer: B****Explanation:**

Amazon RDS security groups enable you to manage network access to your Amazon RDS instances. With security groups, you specify sets of IP addresses using CIDR notation, and only network traffic originating from these addresses is recognized by your Amazon RDS instance.

Although they function in a similar way, Amazon RDS security groups are different from Amazon EC2 security groups. It is possible to add an EC2 security group to your RDS security group. Any EC2 instances that are members of the EC2 security group are then able to access the RDS instances that are members of the RDS security group.

<https://docs.aws.amazon.com/toolkit-for-visual-studio/latest/user-guide/rds-security-groups.html>

**Question: 51****CertyIQ**

Which AWS service uses machine learning to help discover, monitor, and protect sensitive data that is stored in Amazon S3 buckets?

- A. AWS Shield
- B. Amazon Macie
- C. AWS Network Firewall
- D. Amazon Cognito

**Answer: B****Question: 52****CertyIQ**

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

- A. Amazon Connect
- B. Amazon Lightsail
- C. AWS Global Accelerator
- D. AWS Storage Gateway

**Answer: C****Explanation:**

<https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

### Question: 53

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:

Access Analyzer helps you identify the resources in your organization and accounts, such as Amazon S3 buckets or IAM roles, shared with an external entity. This lets you identify unintended access to your resources and data, which is a security risk.

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

### Question: 54

CertyIQ

A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.

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

- A. Operational excellence
- B. Security
- C. Reliability
- D. Cost optimization

### Answer: D

#### Explanation:

To optimize costs, you should only pay for the computing resources you consume and increase or decrease usage depending on your business requirements, not with elaborate forecasting.

<https://emergencetek.com/aws-five-pillars-of-a-well-architected-framework/>

### Question: 55

CertyIQ

A company wants to launch its workload on AWS and requires the system to automatically recover from failure. Which pillar of the AWS Well-Architected Framework includes this requirement?

- A. Cost optimization

- B. Operational excellence
- C. Performance efficiency
- D. Reliability

**Answer: D**

### Question: 56

CertyIQ

A large enterprise with multiple VPCs in several AWS Regions around the world needs to connect and centrally manage network connectivity between its VPCs.

Which AWS service or feature meets these requirements?

- A. AWS Direct Connect
- B. AWS Transit Gateway
- C. AWS Site-to-Site VPN
- D. VPC endpoints

**Answer: B**

**Explanation:**

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

### Question: 57

CertyIQ

Which AWS service supports the creation of visual reports from AWS Cost and Usage Report data?

- A. Amazon Athena
- B. Amazon QuickSight
- C. Amazon CloudWatch
- D. AWS Organizations

**Answer: B**

**Explanation:**

Please refer to: <https://aws.amazon.com/athena/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL. Athena is serverless, so there is no infrastructure to manage, and you pay only for the queries that you run.

Athena is easy to use. Simply point to your data in Amazon S3, define the schema, and start querying using standard SQL. Most results are delivered within seconds. With Athena, there's no need for complex ETL jobs to prepare your data for analysis. This makes it easy for anyone with SQL skills to quickly analyze large-scale datasets.

Athena is out-of-the-box integrated with AWS Glue Data Catalog, allowing you to create a unified metadata repository across various services, crawl data sources to discover schemas and populate your Catalog with new and modified table and partition definitions, and maintain schema versioning

**Question: 58****CertyIQ**

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

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

**Answer: C****Question: 59****CertyIQ**

A company is preparing to launch a new web store that is expected to receive high traffic for an upcoming event. The web store runs only on AWS, and the company has an AWS Enterprise Support plan.

Which AWS resource will provide guidance about how the company should scale its architecture and operational support during the event?

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

**Answer: C****Explanation:**

<https://aws.amazon.com/premiumsupport/programs/iem/>

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

**Question: 60****CertyIQ**

A user wants to deploy a service to the AWS Cloud by using infrastructure-as-code (IaC) principles. Which AWS service can be used to meet this requirement?

- A. AWS Systems Manager
- B. AWS CloudFormation
- C. AWS CodeCommit
- D. AWS Config

**Answer: B****Explanation:**

Correct answer is B: AWS CloudFormation.

CertyIQ

### Question: 61

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

### Question: 62

CertyIQ

Which IT controls do AWS and the customer share, according to the AWS shared responsibility model? (Choose two.)

- A. Physical and environmental controls
- B. Patch management
- C. Cloud awareness and training
- D. Zone security
- E. Application data encryption

Answer: BC

#### Explanation:

**Shared Controls** – Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services. Examples include:

**Patch Management** – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.

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

**Awareness & Training** - AWS trains AWS employees, but a customer must train their own employees

### Question: 63

CertyIQ

A company is launching an application in the AWS Cloud. The application will use Amazon S3 storage. A large team of researchers will have shared access to the data. The company must be able to recover data that is accidentally overwritten or deleted.

Which S3 feature should the company turn on to meet this requirement?

- A. Server access logging
- B. S3 Versioning
- C. S3 Lifecycle rules
- D. Encryption in transit and at rest

**Answer: B**

**CertyIQ**

**Question: 64**

A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload to AWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency. Which AWS service or feature should the company use to meet these requirements?

- A. Availability Zones
- B. AWS Local Zones
- C. AWS Wavelength
- D. AWS Outposts

**Answer: D**

**Explanation:**

AWS Outposts is designed for workloads that need to remain on-premises due to latency requirements, where customers want that workload to run seamlessly with the rest of their other workloads in AWS.

AWS Local Zones are a new type of AWS infrastructure designed to run workloads that require single-digit millisecond latency, like video rendering and graphics intensive, virtual desktop applications. Not every customer wants to operate their own on-premises data center, while others may be interested in getting rid of their local data center entirely. Local Zones allow customers to gain all the benefits of having compute and storage resources closer to end-users, without the need to own and operate their own data center infrastructure.

- (D) AWS Outposts would be the best fit here. Since the client is migrating only the workloads on AWS while
- (B) AWS Local Zone wants to get rid of hosting its on-prem data center

**CertyIQ**

**Question: 65**

A company wants to migrate its applications from its on-premises data center to a VPC in the AWS Cloud. These applications will need to access on-premises resources.

Which actions will meet these requirements? (Choose two.)

- A. Use AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Create a VPN connection between an on-premises device and a virtual private gateway in the VPC.
- C. Use an Amazon CloudFront distribution and configure it to accelerate content delivery close to the on-premises resources.
- D. Set up an AWS Direct Connect connection between the on-premises data center and AWS.
- E. Use Amazon CloudFront to restrict access to static web content provided through the on-premises web servers.

**Answer: BD****Explanation:**

Regarding Service Catalog (SC), 'This helps you achieve consistent governance and meet your compliance requirements, while enabling users to quickly deploy only the approved IT services they need (link below).' The question never said anything about requiring the services SC provides. The customer may benefit from SC but it's not needed to meet their requirements.

<https://aws.amazon.com/servicecatalog/?aws-service-catalog.sort-by=item.additionalFields.createdDate&aws-service-catalog.sort-order=desc>

**CertyIQ****Question: 66**

A company wants to use the AWS Cloud to provide secure access to desktop applications that are running in a fully managed environment.

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

- A. Amazon S3
- B. Amazon AppStream 2.0
- C. AWS AppSync
- D. AWS Outposts

**Answer: B****Explanation:**

Amazon AppStream 2.0 is a fully managed non-persistent desktop and application service for remotely accessing your work.

Deliver Software as a Service (SaaS) versions of applications without rewrites, special hardware, or device installs; ideal for training, trials and software demonstrations.

**CertyIQ****Question: 67**

A company wants to implement threat detection on its AWS infrastructure. However, the company does not want to deploy additional software.

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

- A. Amazon VPC
- B. Amazon EC2
- C. Amazon GuardDuty
- D. AWS Direct Connect

**Answer: C****Explanation:**

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

1. Continuously monitor your AWS accounts, instances, container workloads, users, and storage for potential threats.

2. Expose threats quickly using anomaly detection, machine learning, behavioral modeling, and threat intelligence feeds from AWS and leading third-parties.

3. Mitigate threats early by initiating automated responses.

### Question: 68

CertyIQ

Which AWS service uses edge locations?

- A. Amazon Aurora
- B. AWS Global Accelerator
- C. Amazon Connect
- D. AWS Outposts

**Answer: B**

**Explanation:**

Reference:

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

### Question: 69

CertyIQ

A company needs to install an application in a Docker container.

Which AWS service eliminates the need to provision and manage the container hosts?

- A. AWS Fargate
- B. Amazon FSx for Windows File Server
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon EC2

**Answer: C**

**Explanation:**

AWS Fargate is a serverless compute engine for containers that works with both Amazon Elastic Container Service (ECS) and Amazon Elastic Kubernetes Service (EKS). AWS Fargate makes it easy to focus on building your applications. Fargate eliminates the need to provision and manage servers, lets you specify and pay for resources per application, and improves security through application isolation by design.

Amazon Elastic Container Service (ECS) is a highly scalable, high performance container management service that supports Docker containers and Amazon Elastic Kubernetes Service (EKS) is a fully managed Kubernetes service. Both ECS and EKS use containers provisioned by Fargate to automatically scale, load balance, and optimize container availability through managed scheduling, providing an easier way to build and operate containerized applications.

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

### Question: 70

CertyIQ

Which AWS service or feature checks access policies and offers actionable recommendations to help users set secure and functional policies?

- A. AWS Systems Manager
- B. AWS IAM Access Analyzer
- C. AWS Trusted Advisor
- D. Amazon GuardDuty

**Answer: B**

### Question: 71

CertyIQ

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:**

AWS Snow Family - The AWS Snow Family is a collection of physical devices that help migrate large amounts of data into and out of the cloud without depending on networks. This helps you apply the wide variety of AWS services for analytics, file systems, and archives to your data. You can use AWS Snow Family services for data transfer and occasional pre-processing on location. Some large data transfer examples include cloud migration, disaster recovery, data center relocation, and/or remote data collection projects. These projects typically require you to migrate large amounts of data in the shortest, and most cost-effective, amount of time

### Question: 72

CertyIQ

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones.

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

- A. Amazon EC2
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon Aurora
- D. Amazon DynamoDB
- E. Amazon Redshift

**Answer: CD**

**Explanation:**

1. data replication with these two.
2. "using only AWS services for data replication" so i think C and D

**Question: 73**

CertyIQ

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

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

**Answer: B****Question: 74**

CertyIQ

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

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

**Answer: C****Explanation:**

Reference:

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_manage\\_policies\\_scps.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html)

**Question: 75**

CertyIQ

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

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

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/how-to-protect-data-at-rest-with-amazon-ec2-instance-store-encryption/>

" target="\_blank" style="word-break: break-all;">>

**AWS Key Management Service (KMS)** – AWS KMS is a managed service that enables easy creation and control of encryption keys used to encrypt data. KMS uses envelope encryption in which data is encrypted using a data key that is then encrypted using a master key. Master keys can also be used to encrypt and decrypt up to 4 kilobytes of data. In our solution, I use KMS encrypt/decrypt APIs to encrypt the encrypted file system's password. See more information about [envelope encryption](#).

### Question: 76

CertyIQ

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

- A. A 100% service level agreement (SLA) for all AWS services
- B. Compute capacity that is adjusted on demand
- C. Availability of AWS Support for code development
- D. Enhanced security
- E. Increases in cost and complexity

**Answer: BD**

**Explanation:**

Reference:

<https://intellipaat.com/blog/aws-benefits-and-drawbacks/>

### Question: 77

CertyIQ

A user is storing objects in Amazon S3. The user needs to restrict access to the objects to meet compliance obligations.

What should the user do to meet this requirement?

- A. Use AWS Secrets Manager.
- B. Tag the objects in the S3 bucket.
- C. Use security groups.
- D. Use network ACLs.

**Answer: B**

**Explanation:**

Secrets Manager is for secrets (passwords)

Network ACL is a stateless firewall working on IPs, not users.

Security Groups are stateful firewall, not for user permissions.

In this case I'd say tags:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/object-tagging.html>

"Object tags enable fine-grained access control of permissions. For example, you could grant an IAM user permissions to read-only objects with specific tags."

**Question: 78**

CertyIQ

A company wants to convert video files and audio files from their source format into a format that will play on smartphones, tablets, and web browsers.

Which AWS service will meet these requirements?

- A. Amazon Elastic Transcoder
- B. Amazon Comprehend
- C. AWS Glue
- D. Amazon Rekognition

**Answer: A****Question: 79**

CertyIQ

Which of the following are benefits of Amazon EC2 Auto Scaling? (Choose two.)

- A. Improved health and availability of applications
- B. Reduced network latency
- C. Optimized performance and costs
- D. Automated snapshots of data
- E. Cross-Region Replication

**Answer: AC****Explanation:**

<https://aws.amazon.com/ec2/autoscaling/faqs>

here's a description of the two types of auto scaling confirming the answer is AC.

- Vertical Scaling (C. Optimized performance and costs)
  - You 'scale up' your instance type to a larger instance type with additional resources.
  - Requires shutting the server down.
  - Doesn't rely on ELB.
- Horizontal Scaling (A. Improved health and availability of applications)
  - You 'scale out' and add additional instances to handle the demand of your application.
  - Utilizes ELB.

**Question: 80**

CertyIQ

A company has several departments. Each department has its own AWS accounts for its applications. The company wants all AWS costs on a single invoice to simplify payment, but the company wants to know the costs that each department is incurring.

Which AWS tool or feature will provide this functionality?

- A. AWS Cost and Usage Reports

- B. Consolidated billing
- C. Savings Plans
- D. AWS Budgets

**Answer: B**

### Question: 81

**CertyIQ**

A company runs its workloads on premises. The company wants to forecast the cost of running a large application on AWS.

Which AWS service or tool can the company use to obtain this information?

- A. AWS Pricing Calculator
- B. AWS Budgets
- C. AWS Trusted Advisor
- D. Cost Explorer

**Answer: 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.

Answer A

### Question: 82

**CertyIQ**

A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources.

Which advantage of the AWS Cloud matches the company's requirements?

- A. Reliability
- B. Global reach
- C. Economies of scale
- D. Pay-as-you-go pricing

**Answer: D**

**Explanation:**

Compared C and D and the answer is D.

C. [https://aws.amazon.com/pricing/?aws-products-pricing.sort-by=item.additionalFields.productNameLowercase&aws-products-pricing.sort-order=asc&awsf.Free%20Tier%20Type=\\*all&awsf.tech-category=\\*all](https://aws.amazon.com/pricing/?aws-products-pricing.sort-by=item.additionalFields.productNameLowercase&aws-products-pricing.sort-order=asc&awsf.Free%20Tier%20Type=*all&awsf.tech-category=*all)

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

Reference:

**Question: 83**

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:**

AWS Outposts • Hybrid Cloud: businesses that keep an on

- premises infrastructure alongside a cloud

infrastructure

• Therefore, two ways of dealing with IT systems: • One for the AWS cloud (using the AWS console, CLI, and AWS APIs)

• One for their on

-premises infrastructure

• AWS Outposts are “server racks” that offers the same AWS infrastructure, services, APIs & tools

to build your own applications on

-premises just as in the cloud

• AWS will setup and manage “Outposts Racks”

within your on

-premises infrastructure and you can start leveraging AWS services on-premises

• You are responsible for the Outposts Rack

physical security

Reference:

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

**Question: 84**

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

**Answer: D**

### Question: 85

CertyIQ

An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season.

Which advantages of moving to the AWS Cloud would MOST benefit the company? (Choose two.)

- A. Global footprint
- B. Elasticity
- C. AWS service quotas
- D. AWS shared responsibility model
- E. Pay-as-you-go pricing

**Answer: BE**

**Explanation:**

Reference:

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

### Question: 86

CertyIQ

Which AWS service can be used to turn text into lifelike speech?

- A. Amazon Polly
- B. Amazon Kendra
- C. Amazon Rekognition
- D. Amazon Connect

**Answer: A**

**Explanation:**

Reference:

<https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sound%20human%20speech>

### Question: 87

CertyIQ

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**

**CertyIQ**

**Question: 88**

A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers.

How can the company meet this requirement?

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

**Answer: B**

**CertyIQ**

**Question: 89**

In which situations should a company create an IAM user instead of an IAM role? (Choose two.)

- A. When an application that runs on Amazon EC2 instances requires access to other AWS services
- B. When the company creates AWS access credentials for individuals
- C. When the company creates an application that runs on a mobile phone that makes requests to AWS
- D. When the company needs to add users to IAM groups
- E. When users are authenticated in the corporate network and want to be able to use AWS without having to sign in a second time

**Answer: BD**

**CertyIQ**

**Question: 90**

Which AWS services should a company use to read and write data that changes frequently? (Choose two.)

- A. Amazon S3 Glacier
- B. Amazon RDS
- C. AWS Snowball
- D. Amazon Redshift
- E. Amazon Elastic File System (Amazon EFS)

**Answer: BE**

**Explanation:**

1. Redshift is a datawarehouse and cannot be the right answer. correct answer is B and E
2. B and E as redshift is warehouse

**Question: 91**

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****Question: 92**

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:**

Reference:

<https://www.lastweekinaws.com/blog/what-is-an-edge-location-in-aws-a-simple-explanation/#:~:text=CloudFront%20is%20the%20most%20commonly,caches%20content%20in%20edge%20locations>

" target="\_blank" style="word-break: break-all;">>

- CloudFront is the most commonly discussed use of edge locations. It's a content delivery network that caches content in edge locations. Content can be served directly from the cache, so it gets to users faster. CloudFront is often used to serve static assets, speed up websites, and stream video.
- Route 53 is purportedly a managed DNS service with name servers spread across Amazon's edge locations. DNS responses come directly from the edge locations, so they're as fast as possible.
- Web Application Firewall and AWS Shield provide a firewall and DDoS protection, respectively. These services filter traffic in edge locations so malicious or unwanted traffic can be discarded as close to source as possible. This, in turn, reduces congestion on Amazon's global network and the public internet.
- AWS Global Accelerator allows you to route requests for key resources through Amazon's global network—even if the request is going halfway round the world. The request is initially routed to the closest edge location and then travels through Amazon's network—often with lower latency and higher throughput than the public internet.

**Question: 93**

CertyIQ

A company is operating several factories where it builds products. The company needs the ability to process data, store data, and run applications with local system interdependencies that require low latency. Which AWS service should the company use to meet these requirements?

- A. AWS IoT Greengrass
- B. AWS Lambda
- C. AWS Outposts
- D. AWS Snowball Edge

**Answer: B**

**Explanation:**

- A. No because IoT Greengrass doesn't handle storage.
- B. Yes because Lambda can offer double-digit millisecond latency when Provisioned Concurrency is enabled. Generally, double-digit latency is considered 'low' and the question should have clarified what it considers 'low.' This allows you to meet your needs and still utilize all of the redundancy and other features built into the cloud.
- C. No. Yes, this meets their needs, too, but it adds layers of complexity (and failure domains) that Lambda doesn't have to contend with. Kind of like buying a Mercedes G Wagon (Outpost) to go to a friend's house down the street instead of buying a bike (Lambda).
- D. No because it only handles storage.

**Question: 94**

CertyIQ

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:**

Refer to design principles link to prove Option C is wrong

<https://docs.aws.amazon.com/wellarchitected/latest/framework/oe-design-principles.html>

Refer to design principles link to prove Option D is correct:

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/design-your-workload-service-architecture.html>

**Question: 95**

CertyIQ

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:**

The operational excellence pillar focuses on running and monitoring systems, and continually improving processes and procedures. Key topics include automating changes, responding to events, and defining standards to manage daily operations.

**Question: 96**

**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**

**Question: 97**

**CertyIQ**

A company has a workload that will run continuously for 1 year. The workload cannot tolerate service interruptions. Which Amazon EC2 purchasing option will be MOST cost-effective?

- A. All Upfront Reserved Instances
- B. Partial Upfront Reserved Instances
- C. Dedicated Instances
- D. On-Demand Instances

**Answer: A**

**Question: 98**

**CertyIQ**

Which AWS service helps protect against DDoS attacks?

- A. AWS Shield
- B. Amazon Inspector
- C. Amazon GuardDuty
- D. Amazon Detective

**Answer: A**

**Question: 99**

CertyIQ

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

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

**Answer: A****Explanation:**

Reference:

[\(12\)](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)

**Question: 100**

CertyIQ

Which AWS tool or feature acts as a VPC firewall at the subnet level?

- A. Security group
- B. Network ACL
- C. Traffic Mirroring
- D. Internet gateway

**Answer: B****Explanation:**

<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

"A network access control list (ACL) allows or denies specific inbound or outbound traffic at the subnet level."  
"

**Question: 101**

CertyIQ

Which AWS service can be used to decouple applications?

- A. AWS Config
- B. Amazon Simple Queue Service (Amazon SQS)
- C. AWS Batch
- D. Amazon Simple Email Service (Amazon SES)

**Answer: B****Question: 102**

CertyIQ

Which disaster recovery option is the LEAST expensive?

- A. Warm standby
- B. Multisite
- C. Backup and restore
- D. Pilot light

**Answer: C**

### Question: 103

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:**

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

Reference:

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

### Question: 104

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

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_root-user.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html)

# AWS account root user

[PDF](#) | [Kindle](#) | [RSS](#)

When you first create an Amazon Web Services (AWS) account, you begin with one identity that has complete access to all AWS services and resources in the account. This identity is called the AWS account *root user*. You can sign in as the root user using the email address and password that you used to create the account.

## Question: 105

CertyIQ

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB.

What is the MOST operationally efficient solution to delegate permissions?

- A. Create an IAM role with the required permissions. Attach the role to the EC2 instance.
- B. Create an IAM user and use its access key and secret access key in the application.
- C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance
- D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

### Answer: A

### Explanation:

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles\\_use\\_switch-role-ec2.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_use_switch-role-ec2.html)

## Question: 106

CertyIQ

Which of the following is a component of the AWS Global Infrastructure?

- A. Amazon Alexa
- B. AWS Regions
- C. Amazon Lightsail
- D. AWS Organizations

### Answer: B

### Explanation:

Reference:

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

## Question: 107

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**

**CertyIQ**

**Question: 108**

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**

**CertyIQ**

**Question: 109**

A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in various AWS accounts that it wants to interconnect.

Which AWS service or feature should the company use to help simplify management and reduce operational costs?

- A. VPC endpoint
- B. AWS Direct Connect
- C. AWS Transit Gateway
- D. VPC peering

**Answer: C**

**Explanation:**

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

AWS Transit Gateway connects VPCs and on-premises networks through a central hub.

This simplifies your network and puts an end to complex peering relationships. It acts as a cloud router – each new connection is only made once.

**CertyIQ**

**Question: 110**

A company is planning an infrastructure deployment to the AWS Cloud. Before the deployment, the company wants a cost estimate for running the infrastructure.

Which AWS service or feature can provide this information?

- A. Cost Explorer

- B. AWS Trusted Advisor
- C. AWS Cost and Usage Report
- D. AWS Pricing Calculator

**Answer: D**

**Question: 111**

**CertyIQ**

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

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

**Answer: B**

**Question: 112**

**CertyIQ**

Which of the following are Amazon Virtual Private Cloud (Amazon VPC) resources?

- A. Objects; access control lists (ACLs)
- B. Subnets; internet gateways
- C. Access policies; buckets
- D. Groups; roles

**Answer: B**

**Question: 113**

**CertyIQ**

A company needs to identify the last time that a specific user accessed the AWS Management Console. Which AWS service will provide this information?

- A. Amazon Cognito
- B. AWS CloudTrail
- C. Amazon Inspector
- D. Amazon GuardDuty

**Answer: B**

**Question: 114**

**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:**

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

### Question: 115

CertyIQ

A company wants to perform sentiment analysis on customer service email messages that it receives. The company wants to identify whether the customer service engagement was positive or negative. Which AWS service should the company use to perform this analysis?

- A. Amazon Textract
- B. Amazon Translate
- C. Amazon Comprehend
- D. Amazon Rekognition

**Answer:** C

**Explanation:**

Amazon Comprehend is a natural-language processing (NLP) service that uses machine learning to uncover valuable insights and connections in text.

Amazon Translate is a neural machine translation service that delivers fast, high-quality, affordable, and customizable language translation.

### Question: 116

CertyIQ

What is the total amount of storage offered by Amazon S3?

- A. 100MB
- B. 5 GB
- C. 5 TB
- D. Unlimited

**Answer:** D

**Explanation:**

The total volume of data and number of objects you can store are unlimited. Individual Amazon S3 objects can range in size from a minimum of 0 bytes to a maximum of 5 TB. The largest object that can be uploaded in a single PUT is 5 GB.

**Question: 117**

CertyIQ

A company is migrating to Amazon S3. The company needs to transfer 60 TB of data from an on-premises data center to AWS within 10 days.

Which AWS service should the company use to accomplish this migration?

- A. Amazon S3 Glacier
- B. AWS Database Migration Service (AWS DMS)
- C. AWS Snowball
- D. AWS Direct Connect

**Answer: C****Question: 118**

CertyIQ

What type of database is Amazon DynamoDB?

- A. In-memory
- B. Relational
- C. Key-value
- D. Graph

**Answer: C****Question: 119**

CertyIQ

A large organization has a single AWS account.

What are the advantages of reconfiguring the single account into multiple AWS accounts? (Choose two.)

- A. It allows for administrative isolation between different workloads.
- B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
- C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
- D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account.
- E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

**Answer: AD****Explanation:**

<https://docs.aws.amazon.com/whitepapers/latest/organizing-your-aws-environment/benefits-of-using-multiple-aws-accounts.html>

**Question: 120**

CertyIQ

A retail company has recently migrated its website to AWS. The company wants to ensure that it is protected from SQL injection attacks. The website uses an Application Load Balancer to distribute traffic to multiple Amazon EC2 instances.

Which AWS service or feature can be used to create a custom rule that blocks SQL injection attacks?

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

**Answer: B**

**Question: 121**

**CertyIQ**

Which AWS service provides a feature that can be used to proactively monitor and plan for the service quotas of AWS resources?

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

**Answer: D**

**Explanation:**

You can proactively manage your quotas by configuring Amazon CloudWatch alarms that monitor usage and alert you to approaching quotas.

<https://aws.amazon.com/about-aws/whats-new/2019/06/introducing-service-quotas-view-and-manage-quotas-for-aws-services-from-one-location/#:~:text=You%20can%20proactively%20manage%20your,up%20quotas%20in%20new%20accounts.>

**Question: 122**

**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**

**Question: 123**

**CertyIQ**

Which design principle is included in the operational excellence pillar of the AWS Well-Architected Framework?

- A. Create annotated documentation.
- B. Anticipate failure.
- C. Ensure performance efficiency.
- D. Optimize costs.

**Answer: B**

**Explanation:**

B. anticipate failure

operational excellence:

anticipate failure

perform operations as code

make frequent, small, reversible changes

refine operations procedures frequently

anticipate failure

learn from all operational failure

**CertyIQ**

**Question: 124**

Which AWS services offer gateway VPC endpoints that can be used to avoid sending traffic over the internet?  
(Choose two.)

- A. Amazon Simple Notification Service (Amazon SNS)
- B. Amazon Simple Queue Service (Amazon SQS)
- C. AWS CodeBuild
- D. Amazon S3
- E. Amazon DynamoDB

**Answer: DE**

**Explanation:**

D+ E: S3 and DynamoDB

VPC endpoints enable you to privately connect your VPC to services hosted on AWS without requiring an Internet gateway, a NAT device, VPN, or firewall proxies. Endpoints are horizontally scalable and highly available virtual devices that allow communication between instances in your VPC and AWS services. Amazon VPC offers two different types of endpoints: gateway type endpoints and interface type endpoints.

Gateway type endpoints are available only for AWS services including S3 and DynamoDB. These endpoints will add an entry to your route table you selected and route the traffic to the supported services through Amazon's private network.

Interface type endpoints provide private connectivity to services powered by PrivateLink, being AWS services, your own services or SaaS solutions, and supports connectivity over Direct Connect. More AWS and SaaS solutions will be supported by these endpoints in the future. Please refer to VPC Pricing for the price of interface type endpoints.

**CertyIQ**

**Question: 125**

Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

- A. Amazon FSx for Windows File Server
- B. Amazon WorkSpaces virtual Windows desktop
- C. AWS Directory Service for Microsoft Active Directory
- D. Amazon RDS for Microsoft SQL Server

**Answer: B**

**Question: 126**

**CertyIQ**

Who has the responsibility to patch the host operating system of an Amazon EC2 instance, according to the AWS shared responsibility model?

- A. Both AWS and the customer
- B. The customer only
- C. The EC2 hardware manufacturer
- D. AWS only

**Answer: D**

**Explanation:**

D. Only AWS

guest--> customer/ client

host --> AWS

"This shared model can help relieve the customer's operational burden as AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates." <https://aws.amazon.com/compliance/shared-responsibility-model/>

**Question: 127**

**CertyIQ**

A company is using an Amazon RDS DB instance for an application that is deployed in the AWS Cloud. The company needs regular patching of the operating system of the server where the DB instance runs. What is the company's responsibility in this situation, according to the AWS shared responsibility model?

- A. Open a support case to obtain administrative access to the server so that the company can patch the DB instance operating system.
- B. Open a support case and request that AWS patch the DB instance operating system.
- C. Use administrative access to the server, and apply the operating system patches during the regular maintenance window that is defined for the DB instance.
- D. Establish a regular maintenance window that tells AWS when to patch the DB instance operating system.

**Answer: D**

**Explanation:**

Some maintenance items require that Amazon RDS take your DB instance offline for a short time. Maintenance items that require a resource to be offline include required operating system or database patching. Required patching is automatically scheduled only for patches that are related to security and

instance reliability. Such patching occurs infrequently (typically once every few months) and seldom requires more than a fraction of your maintenance window.

key word:

Amazon RDS DB instance ,regular patching of the operating system

### Question: 128

CertyIQ

Why is an AWS Well-Architected review a critical part of the cloud design process?

- A. A Well-Architected review is mandatory before a workload can run on AWS.
- B. A Well-Architected review helps identify design gaps and helps evaluate design decisions and related documents.
- C. A Well-Architected review is an audit mechanism that is a part of requirements for service level agreements.
- D. A Well-Architected review eliminates the need for ongoing auditing and compliance tests.

Answer: B

### Question: 129

CertyIQ

A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on Amazon EC2 instances.

Which pillar of the AWS Well-Architected Framework does this action cover?

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

Answer: D

Explanation:

Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

### Question: 130

CertyIQ

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:

High availability = minimal downtime = recovery quickly from failure. Agility is about how quickly something is deployed.

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

### Question: 131

CertyIQ

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

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

**Answer: A**

**Explanation:**

The Shared Responsibility Model For Lambda

<https://docs.aws.amazon.com/whitepapers/latest/security-overview-aws-lambda/the-shared-responsibility-model.html>

### Question: 132

CertyIQ

What does the AWS Concierge Support team provide?

- A. A technical expert dedicated to the user
- B. A primary point of contact for AWS Billing and AWS Support
- C. A partner to help provide scaling guidance for an event launch
- D. A dedicated AWS staff member who reviews the user's application architecture

**Answer: B**

**Explanation:**

The Support Concierge Team are AWS billing and account experts that specialize in working with enterprise accounts.

### Question: 133

CertyIQ

A company needs to generate reports that can break down cloud costs by product, by company-defined tags, and by hour, day, and month.

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

- A. Reserved Instance utilization and coverage reports
- B. Savings Plans utilization reports
- C. AWS Budgets reports
- D. AWS Cost and Usage Reports

**Answer: D**

**Explanation:**

Cost and usage report

AWS Cost and Usage Reports tracks your AWS usage and provides estimated charges associated with your account. Each report contains line items for each unique combination of AWS products, usage type, and operation that you use in your AWS account. You can customize the AWS Cost and Usage Reports to aggregate the information either by the hour, day, or month.

**CertyIQ**

**Question: 134**

A company has a serverless application that includes an Amazon API Gateway API, an AWS Lambda function, and an Amazon DynamoDB database.

Which AWS service can the company use to trace user requests as they move through the application's components?

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

**Answer: D**

**Explanation:**

AWS X-Ray provides a complete view of requests as they travel through your application and filters visual data across payloads, functions, traces, services, APIs, and more with no-code and low-code motions.

**CertyIQ**

**Question: 135**

A company needs to set up a petabyte-scale data warehouse in the AWS Cloud.

Which AWS service will meet this requirement?

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

**Answer: C**

**CertyIQ**

**Question: 136**

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:**

From: <https://aws.amazon.com/premiumsupport/knowledge-center/iam-intro/#:~:text=You%20can%20interact%20with%20IAM,offered%20at%20no%20additional%20charge>.

"You can interact with IAM through the web-based IAM console, the AWS Command Line Interface, or the AWS API or SDKs. IAM is offered at no additional charge."

**Question: 137**

**CertyIQ**

A company needs to design an AWS disaster recovery plan to cover multiple geographic areas. Which action will meet this requirement?

- A. Configure multiple AWS accounts.
- B. Configure the architecture across multiple Availability Zones in an AWS Region.
- C. Configure the architecture across multiple AWS Regions.
- D. Configure the architecture among many edge locations.

**Answer: C**

**Question: 138**

**CertyIQ**

Which of the following is a benefit of moving from an on-premises data center to the AWS Cloud?

- A. Compute instances can be launched and terminated as needed to optimize costs.
- B. Compute costs can be viewed in the AWS Billing and Cost Management console.
- C. Users retain full administrative access to their compute instances.
- D. Users can optimize costs by permanently running enough instances at peak load.

**Answer: A**

**Question: 139**

**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**

**Question: 140**

**CertyIQ**

Which AWS service monitors AWS accounts for security threats?

- A. Amazon GuardDuty
- B. AWS Secrets Manager
- C. Amazon Cognito
- D. AWS Certificate Manager (ACM)

**Answer: A**

**Explanation:**

"Amazon GuardDuty is a threat detection service that continuously monitors your AWS accounts and workloads for malicious activity and delivers detailed security findings for visibility and remediation"

**Question: 141**

**CertyIQ**

Which benefit is included with an AWS Enterprise Support plan?

- A. AWS Partner Network (APN) support at no cost.
- B. Designated support from an AWS technical account manager (TAM)
- C. On-site support from AWS engineers
- D. AWS managed compliance as code with AWS Config

**Answer: B**

**Question: 142**

**CertyIQ**

Which task does AWS perform automatically?

- A. Encrypt data that is stored in Amazon DynamoDB.
- B. Patch Amazon EC2 instances.
- C. Encrypt user network traffic.
- D. Create TLS certificates for users' websites.

**Answer: A**

**Explanation:**

DynamoDB

All user data stored in Amazon DynamoDB is fully encrypted at rest. DynamoDB encryption at rest provides enhanced security by encrypting all your data at rest using encryption keys stored in AWS Key Management Service (AWS KMS)

**Question: 143**

**CertyIQ**

Which AWS service or tool can a company use to visualize, understand, and manage AWS spending and usage over time?

- A. AWS Trusted Advisor

- B. Amazon CloudWatch
- C. Cost Explorer
- D. AWS Budgets

**Answer: C**

**Explanation:**

Cost Explorer --> graph, over time

CloudTrail: monitor and record account activity across AWS infrastructure, giving you control over storage, remediation action. CloudTrail enables auditing, security monitoring and operational troubleshooting by tracking user activity and API usage

**CertyIQ**

**Question: 144**

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 ANSWER

AWS Outposts • Hybrid Cloud: businesses that keep an on

- premises infrastructure alongside a cloud

infrastructure

• Therefore, two ways of dealing with IT systems: • One for the AWS cloud (using the AWS console,

CLI, and AWS APIs)

• One for their on

-premises infrastructure

• AWS Outposts are “server racks” that offers the

same AWS infrastructure, services, APIs & tools

to build your own applications on

-premises just as in the cloud

• AWS will setup and manage “Outposts Racks”

within your on

-premises infrastructure and you can start leveraging AWS services on-premises

- You are responsible for the Outposts Rack
- physical security
- Benefits:
  - Low-latency access to on-premises systems
  - Local data processing
  - Data residency
  - Easier migration from on-premises to the cloud
  - Fully managed service

### Question: 145

CertyIQ

A company requires an isolated environment within AWS for security purposes. Which action can be taken to accomplish this?

- A. Create a separate Availability Zone to host the resources.
- B. Create a separate VPC to host the resources.
- C. Create a placement group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS.

### Answer: B

#### Explanation:

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>

## Network isolation

A virtual private cloud (VPC) is a virtual network in your own logically isolated area in the AWS Cloud. Use separate VPCs to isolate infrastructure by workload or organizational entity.

A subnet is a range of IP addresses in a VPC. When you launch an instance, you launch it into a subnet in your VPC. Use subnets to isolate the tiers of your application (for example, web, application, and database) within a single VPC. Use private subnets for your instances if they should not be accessed directly from the internet.

To call the Amazon EC2 API from your VPC without sending traffic over the public internet, use AWS PrivateLink.

**Question: 146**

CertyIQ

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

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/route53/>**Question: 147**

CertyIQ

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

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

**Answer: B****Explanation:**

The question is what is the BEST practice, not NOT THE BEST practice.

A = no

B = definitely a good practice. "Safeguard your root user credentials the same way you would protect other sensitive personal information. You can do this by configuring MFA for your root user credentials."

C = nope. "We don't recommend generating access keys for your root user, because they allow full access to all your resources for all AWS services, including your billing information."

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

D = obviously no. "To protect your password, it's important to follow these best practices: Change your password periodically." <https://docs.aws.amazon.com/accounts/latest/reference/root-user-password.html>

Reference:

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

**Question: 148**

CertyIQ

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

- A. EC2 key pairs

- B. AWS Systems Manager Session Manager
- C. AWS Identity and Access Management (IAM)
- D. Network ACLs

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 149

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

- A. No upfront payment
- B. Hourly on-demand payment
- C. Partial upfront payment
- D. All upfront payment

**Answer: D**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 150

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

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

**Answer:**

**Explanation:**

C as per the AWS documentation:

<https://docs.aws.amazon.com/whitepapers/latest/cost-management/cost-governance-best-practices.html>

"Architecture optimization focuses on the need to continually refine workloads to be more cost-conscious to create better architected systems."

**CertyIQ**

### Question: 151

A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation, and configuration.

Which AWS service should the company use to host the databases?

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

**Answer: B**

**Explanation:**

Hosting a MySQL database on an EC2 instance, you will be able to choose the underlying building blocks such as operating system, storage settings, and database configuration, giving you full control and flexibility over your MySQL database and surpassing the limitations of Amazon RDS, while also leveraging all the advantages of the AWS Cloud platform and services.

**Question: 152**

**CertyIQ**

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

- A. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies.
- B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
- C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
- D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies.

**Answer: D**

**Question: 153**

**CertyIQ**

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances.

Which benefit of the AWS Cloud does this example illustrate?

- A. High availability
- B. Elasticity
- C. Reliability
- D. Global reach

**Answer: B**

**Explanation:**

B - Elasticity.

High Availability is a result of Elasticity but the action being performed is actually Elasticity no HA. ( Check on the section of Scalability vs High Availability ) there's a thin difference.

**Question: 154**

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:**

Amazon Simple Notification Service (Amazon SNS) is a fully managed messaging service for both application-to-application (A2A) and application-to-person (A2P) communication.

The A2A pub/sub functionality provides topics for high-throughput, push-based, many-to-many messaging between distributed systems, microservices, and event-driven serverless applications. Using Amazon SNS topics, your publisher systems can fanout messages to a large number of subscriber systems including Amazon SQS queues, AWS Lambda functions and HTTPS endpoints, for parallel processing, and Amazon Kinesis Data Firehose. The A2P functionality enables you to send messages to users at scale via SMS, mobile push, and email.

**Question: 155**

CertyIQ

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

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

**Answer: C****Explanation:**

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

Cross-Region Read Replicas for Amazon RDS for MySQL

by Jeff Barr | on 26 NOV 2013 | in Amazon RDS, Amazon Redshift | Permalink | Share

You can now create cross-region read replicas for Amazon RDS database instances!

This feature builds upon our existing support for read replicas that reside within the same region as the source database instance. You can now create up to five in-region and cross-region replicas per source with a single API call or a couple of clicks in the AWS Management Console. We are launching with support for version 5.6 of MySQL

Reference:

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

**Question: 156**

CertyIQ

According to the AWS shared responsibility model, which task is the customer's responsibility?

- A. Maintaining the infrastructure needed to run AWS Lambda
- B. Updating the operating system of Amazon DynamoDB instances
- C. Maintaining Amazon S3 infrastructure
- D. Updating the guest operating system on Amazon EC2 instances

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Customers%20are%20responsible%20for%20managing,also%20extends%20to%20IT%20controls>

**Question: 157**

CertyIQ

A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration.

Which AWS service supports this use case?

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

**Answer: B****Explanation:**

Lightsail

> Create a website or application in just a few clicks. Automatically configure networking, access, and security environments.

s3 is for static web, the question include database

**Question: 158**

CertyIQ

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application.

What can the company do to meet this requirement?

- A. Set up invoiced billing.
- B. Use AWS Artifact.
- C. Set budgets in Cost Explorer.
- D. Create cost allocation tags.

**Answer: D**

**Explanation:**

You can use tags to organize your resources, and cost allocation tags to track your AWS costs on a detailed level. You can apply tags that represent business categories (such as cost centers, application names, or owners) to organize your costs across multiple services.

**CertyIQ**

**Question: 159**

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

- A. Vertical scaling
- B. Manual failure recovery
- C. Testing recovery procedures
- D. Changing infrastructure manually

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 160**

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

Which AWS service can be used to accomplish this?

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

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 161**

Which task is an AWS responsibility when a workload is running in Amazon RDS?

- A. Creating the database table
- B. Updating the database schema
- C. Installing the database engine
- D. Dropping the database records

**Answer: C**

**Question: 162**

CertyIQ

A development team wants to publish and manage web services that provide REST APIs. Which AWS service will meet this requirement?

- A. AWS App Mesh
- B. Amazon API Gateway
- C. Amazon CloudFront
- D. AWS Cloud Map

**Answer: B**

**Explanation:**

Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale. So its B

**Question: 163**

CertyIQ

A company has a social media platform in which users upload and share photos with other users. The company wants to identify and remove inappropriate photos. The company has no machine learning (ML) scientists and must build this detection capability with no ML expertise.

Which AWS service should the company use to build this capability?

- A. Amazon SageMaker
- B. Amazon Textract
- C. Amazon Rekognition
- D. Amazon Comprehend

**Answer: C**

**Explanation:**

Amazon Rekognition enables your applications to confirm user identities by comparing their live image with a reference image.

**Question: 164**

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**

**Question: 165**

CertyIQ

A company wants to use Amazon S3 to store its legacy data. The data is rarely accessed. However, the data is critical and cannot be recreated. The data needs to be available for retrieval within seconds. Which S3 storage class meets these requirements MOST cost-effectively?

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

**Answer: A****Explanation:**

S3 Standard-IA is for data that is accessed less frequently, but requires rapid access when needed

**Question: 166**

CertyIQ

An online retail company wants to migrate its on-premises workload to AWS. The company needs to automatically handle a seasonal workload increase in a cost-effective manner. Which AWS Cloud features will help the company meet this requirement? (Choose two.)

- A. Cross-Region workload deployment
- B. Pay-as-you-go pricing
- C. Built-in AWS CloudTrail audit capabilities
- D. Auto Scaling policies
- E. Centralized logging

**Answer: BD****Explanation:**

BD – Pay-as-you-go pricing is great for a cost-effective manner, and with auto scaling policies, customer can define a scaling policy that performs the optimal scaling action, such as change in capacity by value or percentage, or setting exact capacity values.

Cross-Region workload deployment is not fitting for the question (there is nothing about globalisation).

There is no request for monitoring user activity, so CloudTrail is also incorrect.

There is nothing about checking any statuses or collecting logs, so there is no need for centralized logging

**Question: 167**

CertyIQ

Which AWS service helps developers use loose coupling and reliable messaging between microservices?

- A. Elastic Load Balancing
- B. Amazon Simple Notification Service (Amazon SNS)
- C. Amazon CloudFront
- D. Amazon Simple Queue Service (Amazon SQS)

**Answer: D**

**Explanation:**

D - Amazon SQS is a fully managed message queuing for microservices, distributed systems, and serverless applications.

Elastic Load Balancing automatically distributes incoming application traffic; it doesn't help with developer work in this context.

Amazon SNS is used for email and notifications to users, not for developers.

Amazon CloudFront is a content delivery network (CDN) service built for securely delivering content to customers. It is not used for loose coupling nor microservices.

**CertyIQ**

**Question: 168**

A company needs to build an application that uses AWS services. The application will be delivered to residents in European Countries. The company must abide by regional regulatory requirements.

Which AWS service or program should the company use to determine which AWS services meet the regional requirements?

- A. AWS Audit Manager
- B. AWS Shield
- C. AWS Compliance Program
- D. AWS Artifact

**Answer: C**

**Explanation:**

The key word is "which AWS services meet the regional requirements?" In this case, it refers to GDPR for Europe.

Inherit the most comprehensive compliance controls with AWS. AWS supports more security standards and compliance certifications than any other offering, including PCI-DSS, HIPAA/HITECH, FedRAMP, GDPR, FIPS 140-2, and NIST 800-171, helping customers satisfy compliance requirements for virtually every regulatory agency around the globe.

**CertyIQ**

**Question: 169**

A company needs to implement identity management for a fleet of mobile apps that are running in the AWS Cloud. Which AWS service will meet this requirement?

- A. Amazon Cognito
- B. AWS Security Hub
- C. AWS Shield
- D. AWS WAF

**Answer: A**

**Explanation:**

Amazon Cognito lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily.

AWS Security Hub is a cloud security posture management service that automates best practice checks, aggregates alerts, and supports automated remediation. Not relevant.

AWS Shield and AWS WAF are for threat protection (Shield for DDoS, WAF for SQL injections), not relevant to the question.

### Question: 170

CertyIQ

A company needs an Amazon EC2 instance for a rightsized database server that must run constantly for 1 year. Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

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

### Answer: A

### Question: 171

CertyIQ

A company has multiple applications and is now building a new multi-tier application. The company will host the new application on Amazon EC2 instances. The company wants the network routing and traffic between the various applications to follow the security principle of least privilege.

Which AWS service or feature should the company use to enforce this principle?

- A. Security groups
- B. AWS Shield
- C. AWS Global Accelerator
- D. AWS Direct Connect gateway

### Answer: A

#### Explanation:

Security groups control the traffic that is allowed to reach and leave the resources that it is associated with.

AWS Shield is for DDoS protection.

AWS Global Accelerator is for global reach.

AWS Direct Connect is a cloud service that links your network directly to AWS to deliver consistent, low-latency performance.

### Question: 172

CertyIQ

A company's web application requires AWS credentials and authorizations to use an AWS service. Which IAM entity should the company use as best practice?

- A. IAM role
- B. IAM user
- C. IAM group
- D. IAM multi-factor authentication (MFA)

**Answer: A**

**Question: 173**

**CertyIQ**

A company is creating a document that defines the operating system patch routine for all the company's systems. Which AWS resources should the company include in this document? (Choose two.)

- A. Amazon EC2 instances
- B. AWS Lambda functions
- C. AWS Fargate tasks
- D. Amazon RDS instances
- E. Amazon Elastic Container Service (Amazon ECS) instances

**Answer: AD**

**Explanation:**

'Amazon RDS) is a collection of managed services' - <https://aws.amazon.com/rds/>

'Amazon Aurora is fully managed by RDS' - <https://www.amazonaws.cn/en/rds/aurora/>

RDS is not 'fully' managed, it is a managed instance. Therefore answer is AD

**Question: 174**

**CertyIQ**

Which AWS service or feature gives a company the ability to control incoming traffic and outgoing traffic for Amazon EC2 instances?

- A. Security groups
- B. Amazon Route 53
- C. AWS Direct Connect
- D. Amazon VPC

**Answer: A**

**Explanation:**

A security group acts as a virtual firewall for your EC2 instances to control incoming and outgoing traffic. Inbound rules control the incoming traffic to your instance, and outbound rules control the outgoing traffic from your instance. When you launch an instance, you can specify one or more security groups.

**Question: 175**

**CertyIQ**

A company is starting to build its infrastructure in the AWS Cloud. The company wants access to technical support during business hours. The company also wants general architectural guidance as teams build and test new

applications.

Which AWS Support plan will meet these requirements at the LOWEST cost?

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

**Answer: B**

**Explanation:**

We recommend AWS Developer Support if you are testing or doing early development on AWS and want the ability to get technical support during business hours as well as general architectural guidance as you build and test.

In addition to enhanced technical support and architectural guidance, Developer Support provides access to documentation and forums, AWS Trusted Advisor, and AWS Personal Health Dashboard.

### Question: 176

**CertyIQ**

A company is migrating its public website to AWS. The company wants to host the domain name for the website on AWS.

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

- A. AWS Lambda
- B. Amazon Route 53
- C. Amazon CloudFront
- D. AWS Direct Connect

**Answer: B**

### Question: 177

**CertyIQ**

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:**

AWS Trusted Advisor is used to evaluate its AWS environment and provide best practice recommendations in five categories: cost, performance, service limits, fault tolerance, and security.

AWS Shield is for DDoS protection.

AWS WAF is for SQL injection protection.

AWS Service Catalog is for managing services.

CertyIQ

**Question: 178**

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Answer: D**

**Question: 179**

CertyIQ

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

- A. Pay-as-you-go pricing
- B. High availability
- C. Global reach
- D. Economies of scale

**Answer: D**

**Explanation:**

Benefit from massive economies of scale – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.

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

**Question: 180**

CertyIQ

Which AWS service provides threat detection by monitoring for malicious activities and unauthorized actions to protect AWS accounts, workloads, and data that is stored in Amazon S3?

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

**Answer: C**

**Explanation:**

Amazon GuardDuty is a threat detection service that continuously monitors your AWS accounts and

workloads for malicious activity and delivers detailed security findings for visibility and remediation.

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

### Question: 181

CertyIQ

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

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

#### Answer: D

#### Explanation:

Amazon Aurora is a relational database service that combines the speed and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. The MySQL-compatible edition of Aurora delivers up to 5X the throughput of standard MySQL running on the same hardware, and enables existing MySQL applications and tools to run without requiring modification. Amazon Aurora will automatically grow the size of your database volume as your database storage needs grow. Your volume will grow in increments of 10 GB up to a maximum of 64 TB. You don't need to provision excess storage for your database to handle future growth.

Reference:

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

### Question: 182

CertyIQ

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

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

#### Answer: C

#### Explanation:

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

Reference:

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

### Question: 183

CertyIQ

A global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS Region that is closest to the user. What should the company do to meet these data storage requirements with the LEAST amount of operational overhead?

- A. Use Amazon EC2 in multiple Regions to host separate databases
- B. Use Amazon RDS cross-Region replication
- C. Use Amazon DynamoDB global tables
- D. Use AWS Database Migration Service (AWS DMS)

**Answer: C**

**Explanation:**

From: <https://aws.amazon.com/dynamodb/global-tables/>

Global tables build on the global Amazon DynamoDB footprint to provide you with a fully managed, multi-Region, and multi-active database that delivers fast, local, read and write performance for massively scaled, global applications. Global tables replicate your DynamoDB tables automatically across your choice of AWS Regions.

### Question: 184

CertyIQ

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

- A. Increased workforce productivity
- B. Decreased need to encrypt user data
- C. Manual compliance audits
- D. Simplified total cost of ownership (TCO) accounting
- E. Faster product launches

**Answer: AD**

**Explanation:**

IMO it's AD. Word for Word TCO & staff productivity..

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

### Question: 185

CertyIQ

Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

- A. Patch management controls
- B. Awareness and training controls
- C. Physical and environmental controls
- D. Configuration management controls

**Answer: C**

**Explanation:**

Inherited Controls – Controls which a customer fully inherits from AWS.

Physical and Environmental controls

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=Inherited%20Controls%20%E2%80%93%20Controls%20which%20a%20customer%20fully%20in>

### Question: 186

CertyIQ

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

### Question: 187

CertyIQ

A company needs to deliver new website features quickly in an iterative manner to minimize the time to market. Which AWS Cloud concept does this requirement represent?

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

Answer: C

### Question: 188

CertyIQ

A company wants to increase its ability to recover its infrastructure in the case of a natural disaster. Which pillar of the AWS Well-Architected Framework does this ability represent?

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

Answer: C

Explanation:

The ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfigurations or transient network issues.

**Question: 189**

CertyIQ

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

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

**Answer: B****Explanation:**

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

**Reference:**

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

**Question: 190**

CertyIQ

Which AWS service, feature, or tool uses machine learning to continuously monitor cost and usage for unusual cloud spending?

- A. Amazon Lookout for Metrics
- B. AWS Budgets
- C. Amazon CloudWatch
- D. AWS Cost Anomaly Detection

**Answer: D****Question: 191**

CertyIQ

A company deployed an application on an Amazon EC2 instance. The application ran as expected for 6 months in the past week, users have reported latency issues. A system administrator found that the CPU utilization was at 100% during business hours. The company wants a scalable solution to meet demand.

Which AWS service or feature should the company use to handle the load for its application during periods of high demand?

- A. Auto Scaling groups
- B. AWS Global Accelerator
- C. Amazon Route 53
- D. An Elastic IP address

**Answer: A****Explanation:**

AWS Auto Scaling monitors your application and automatically adds or removes capacity from your resource groups in real-time as demands change.

### Question: 192

CertyIQ

What exclusive benefit is provided to users with Enterprise Support?

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

**Answer: B**

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

## Technical account management

### Designated point of contact

A Technical Account Manager (TAM) is your designated technical point of contact who helps you onboard, provides advocacy and guidance to help plan and build solutions using best practices, coordinates access to subject matter experts, assists with case management, presents insights and recommendations on your AWS spend, workload optimization, and event management, and proactively keeps your AWS environment healthy.

### Access to subject-matter experts

Cloud Support Engineers, Solutions Architects, and product teams are available to provide guidance and help as needed. The AWS Trust & Safety team assists you when your AWS resources are used to engage in abusive behaviors, such as spam, port scanning, denial-of-service (DoS) attacks, or malware.

### Question: 193

CertyIQ

A company is generating large sets of critical data in its on-premises data center. The company needs to securely transfer the data to AWS for processing. These transfers must occur daily over a dedicated connection. Which AWS service should the company use to meet these requirements?

- A. AWS Backup
- B. AWS DataSync
- C. AWS Direct Connect
- D. AWS Snowball

**Answer: B**

**Explanation:**

AWS DataSync is a secure, online service that automates and accelerates moving data between on-premises and AWS Storage services. DataSync can copy data between Network File System (NFS) shares, Server Message Block (SMB) shares, Hadoop Distributed File Systems (HDFS), self-managed object storage, AWS Snowcone, Amazon Simple Storage Service (Amazon S3) buckets, Amazon Elastic File System (Amazon EFS) file systems, Amazon FSx for Windows File Server file systems, Amazon FSx for Lustre file systems, Amazon FSx for OpenZFS file systems, and Amazon FSx for NetApp ONTAP file systems.

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

**CertyIQ****Question: 194**

A company wants to run production workloads on AWS. The company wants access to technical support from engineers 24 hours a day, 7 days a week. The company also wants access to the AWS Health API and contextual architectural guidance for business use cases. The company has a strong IT support team and does not need concierge support.

Which AWS Support plan will meet these requirements at the LOWEST cost?

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

**Answer: C****Explanation:**

C . 2 reasons

1. for Contextual review Business is required not enterprise
2. Also it doesn't need concierge which is mentioned in the question which straight away cancelled enterprise and the answer will be business

**CertyIQ****Question: 195**

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:**

<https://ahana.io/answers/the-differences-between-aws-athena-and-aws-glue-ahana/>

AWS Glue is also serverless, but more of an ecosystem of tools to allow you to easily do schema discovery and ETL with auto-generated scripts that can be modified either visually or via editing the script. The most

commonly known components of Glue are Glue Metastore and Glue ETL. Glue Metastore is a serverless hive compatible metastore which can be used in lieu of your own managed Hive. Glue ETL on the other hand is a Spark service which allows customers to run Spark jobs without worrying about the configuration, manageability and operationalization of the underlying Spark infrastructure. There are other services such as Glue Data Wrangler which we will keep outside the scope of this discussion.

### Question: 196

CertyIQ

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

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

### Answer: D

#### Explanation:

Now its 56 free checks out of 115 total.

AWS Basic Support and AWS Developer Support customers get access to 6 security checks (S3 Bucket Permissions, Security Groups - Specific Ports Unrestricted, IAM Use, MFA on Root Account, EBS Public Snapshots, RDS Public Snapshots) and 50 service limit checks. AWS Business Support and AWS Enterprise Support customers get access to all 115 Trusted Advisor checks (14 cost optimization, 17 security, 24 fault tolerance, 10 performance, and 50 service limits) and recommendations. For a complete list of checks and descriptions, explore Trusted Advisor Best Practices.

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

### Question: 197

CertyIQ

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

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

### Answer: AD

#### Explanation:

Reference:

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

" target="\_blank" style="word-break: break-all;">>

All AWS customers benefit from the automatic protections of AWS Shield Standard, at no additional charge. AWS Shield Standard defends against most common, frequently occurring network and transport layer DDoS attacks that target your web site or applications. When you use AWS Shield Standard with Amazon CloudFront and Amazon Route 53, you receive comprehensive availability protection against all known infrastructure (Layer 3 and 4) attacks.

For higher levels of protection against attacks targeting your applications running on Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing (ELB), Amazon CloudFront, AWS Global Accelerator and Amazon Route 53 resources, you can subscribe to AWS Shield Advanced. In addition to the network and transport layer protections that come with Standard, AWS Shield Advanced provides additional detection and mitigation against large and sophisticated DDoS attacks, near real-time visibility into attacks, and integration with AWS WAF, a web application firewall. AWS Shield Advanced also gives you 24x7 access to the AWS Shield Response Team (SRT) and protection against DDoS related spikes in your Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing (ELB), Amazon CloudFront, AWS Global Accelerator and Amazon Route 53 charges.

## Question: 198

CertyIQ

What information is found on an AWS Identity and Access Management (IAM) credential report? (Choose two.)

- A. The date and time when an IAM user's password was last used to sign in to the AWS Management Console.
- B. The type of multi-factor authentication (MFA) device assigned to an IAM user.
- C. The User-Agent browser identifier for each IAM user currently logged in.
- D. Whether multi-factor authentication (MFA) has been enabled for an IAM user.
- E. The number of incorrect login attempts by each IAM user in the previous 30 days.

Answer: AD

Explanation:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_getting-report.html#id\\_credentials\\_understanding\\_the\\_report\\_format](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_getting-report.html#id_credentials_understanding_the_report_format)

## Question: 199

CertyIQ

What is the LEAST expensive AWS Support plan that contains a full set of AWS Trusted Advisor best practice checks?

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

Answer: B

Explanation:

AWS Basic Support and AWS Developer Support customers can access core security checks and checks for service quotas. AWS Business Support and AWS Enterprise Support customers can access all checks, including cost optimization, security, fault tolerance, performance, and service quotas.

upvoted 1 times

**Question: 200**

CertyIQ

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

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

**Answer: A****Question: 201**

CertyIQ

A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.

Which AWS service will provide a secure and cost-effective solution for retaining these files?

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

**Answer: B****Explanation:**

Amazon Connect could be a suite of call center related products. But the question is storage related and they have specified 'accessible within 48 hours'. It is to S3 knowledge and nothing to do with the call center. The answer is B.

**Question: 202**

CertyIQ

Which AWS service should be used to migrate a company's on-premises MySQL database to Amazon RDS?

- A. AWS Direct Connect
- B. AWS Server Migration Service (AWS SMS)
- C. AWS Database Migration Service (AWS DMS)
- D. AWS Schema Conversion Tool (AWS SCT)

**Answer: C****Question: 203**

CertyIQ

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

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

**Answer: B**

**Question: 204**

CertyIQ

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

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

**Answer: B**

**Explanation:**

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

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

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**Question: 205**

CertyIQ

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

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

**Answer: C**

**Explanation:**

Reference:

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

**Question: 206**

CertyIQ

Which of the following is the responsibility of AWS?

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

**Answer: B****Explanation:**

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

**Reference:**

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

**CertyIQ****Question: 207**

Which of the following is an advantage of using AWS?

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

**Answer: C****Explanation:**

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

**Reference:**

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

**CertyIQ****Question: 208**

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:**

A is the answer <https://docs.aws.amazon.com/license-manager/latest/userguide/license-manager.html>

As you build out your cloud infrastructure on AWS, you can save costs by using Bring Your Own License model (BYOL) opportunities. That is, you can re-purpose your existing license inventory for use with your cloud resources.

When an ecommerce company migrates its IT infrastructure from an on-premises data center to the AWS Cloud, the cost of application software licenses is typically the company's direct responsibility. This is

because AWS provides the infrastructure and the underlying software components, but the company is responsible for acquiring and managing the necessary licenses for the specific applications it uses on AWS

### Question: 209

CertyIQ

What are the five pillars of the AWS Well-Architected Framework?

- A. Encryption, documentation, speed, hybrid design, and cost optimization
- B. Containerization, cost margins, globalization, marketplace, and developer operations
- C. Network, compute, storage, security, and developer operations
- D. Operational excellence, reliability, performance efficiency, security, and cost optimization

**Answer:** D

**Explanation:**

D is the correct, however, the question should be updated because now there are 6 pillars of WAF: Operational Excellence, Security, Reliability, Sustainability, Performance Efficiency, Cost Optimization

### Question: 210

CertyIQ

A company accepts enrollment applications on handwritten paper forms. The company uses a manual process to enter the form data into its backend systems.

The company wants to automate the process by scanning the forms and capturing the enrollment data from scanned PDF files.

Which AWS service should the company use to build this process?

- A. Amazon Rekognition
- B. Amazon Textract
- C. Amazon Transcribe
- D. Amazon Comprehend

**Answer:** B

### Question: 211

CertyIQ

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

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

**Answer:** AB

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

### 3. Reliability

The Reliability pillar encompasses the ability of a workload to perform its intended function correctly and consistently when it's expected to. This includes the ability to operate and test the workload through its total lifecycle. You can find prescriptive guidance on implementation in the [Reliability Pillar whitepaper](#).

#### Design Principles

There are five design principles for reliability in the cloud:

- Automatically recover from failure
- Test recovery procedures
- Scale horizontally to increase aggregate workload availability
- Stop guessing capacity
- Manage change in automation

#### Question: 212

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 alarms can be created on the Auto Scaling group as a whole, such as Average CPUUtilization. This is because alarms are used to tell Auto Scaling when to add/remove instances and such decisions would be based upon the group as a whole.

#### Question: 213

CertyIQ

A company wants to host a private version control system for its application code in the AWS Cloud.

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

- A. AWS CodePipeline
- B. AWS CodeStar
- C. AWS CodeCommit
- D. AWS CodeDeploy

**Answer: C**

**Explanation:**

from: <https://aws.amazon.com/devops/source-control/>

## Source Control with AWS

AWS CodeCommit is a managed source control system that hosts Git repositories and works with all Git-based tools.

AWS CodeCommit will store code, binaries, and metadata in a redundant fashion with high availability. You will be able to collaborate with local and remote teams to edit, compare, sync, and revise your code.

Because AWS CodeCommit runs in the AWS Cloud, you no longer need to worry about hosting, scaling, or maintaining your own source code control infrastructure. CodeCommit automatically encrypts your files and is integrated with AWS Identity and Access Management (IAM), allowing you to assign user-specific permissions to your repositories. This ensures that your code remains secure and you can collaborate on projects across your team in a secure manner.

## Question: 214

CertyIQ

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

- A. Amazon Inspector
- B. AWS Web Application Firewall (AWS WAF)
- C. Elastic Load Balancing (ELB)
- D. AWS Shield

### Answer: D

#### Explanation:

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

#### Reference:

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

## Question: 215

CertyIQ

A company wants to monitor the CPU usage of its Amazon EC2 resources.  
Which AWS service should the company use?

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

### Answer: B

#### Explanation:

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

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

Reference:

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

### Question: 216

CertyIQ

Which AWS service contains built-in engines to protect web applications that run in the cloud from SQL injection attacks and cross-site scripting?

- A. AWS WAF
- B. AWS Shield Advanced
- C. Amazon GuardDuty
- D. Amazon Detective

**Answer: A**

**Explanation:**

Answer is A. AWS WAF gives you control over how traffic reaches your applications by enabling you to create security rules that control bot traffic and block common attack patterns, such as SQL injection or cross-site scripting.

### Question: 217

CertyIQ

A company owns per-core software licenses.

Which Amazon EC2 instance purchasing option must the company use for this license type?

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

**Answer: B**

**Explanation:**

B is right <https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html>

### Question: 218

CertyIQ

A company needs to set up user authentication for a new application. Users must be able to sign in directly with a user name and password, or through a third-party provider.

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

- A. AWS Single Sign-On
- B. AWS Signer
- C. Amazon Cognito
- D. AWS Directory Service

**Answer: C**

**Explanation:**

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

Amazon Cognito lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily. Amazon Cognito scales to millions of users and supports sign-in with social identity providers, such as Apple, Facebook, Google, and Amazon, and enterprise identity providers via SAML 2.0 and OpenID Connect.

### Question: 219

CertyIQ

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

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

**Answer: B**

**Explanation:**

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

Reference:

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

### Question: 220

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:**

Reference:

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

Today, customers may have use cases that require large number of instances running for irregular periods of time, such as dev/test, data processing, analytics, batch processing, image rendering and gaming applications. To improve flexibility and allow customers to focus on their application instead of maximizing usage to the hour, with EC2 per second billing, customers can start, stop, and terminate EC2 instances and take comfort in the fact that their EC2 resources will not be charged for the minutes and seconds remaining in the hours their instances were running.

This change is effective in all AWS Regions and is effective immediately, for Linux instances that are newly launched or already running. Per-second billing is not currently applicable to instances running Microsoft Windows or Linux distributions that have a separate hourly charge.

List prices and Spot Market prices are still listed on a per-hour basis, but bills are calculated down to the second. With Reserved Instances usage you can launch, use, and terminate multiple instances within an hour and get the Reserved Instance Benefit for all of the instances. Bills will now show times in decimal form instead of in minutes and seconds.

### Question: 221

CertyIQ

Which statements explain the business value of migration to the AWS Cloud? (Choose two.)

- A. The migration of enterprise applications to the AWS Cloud makes these applications automatically available on mobile devices.
- B. AWS availability and security provide the ability to improve service level agreements (SLAs) while reducing risk and unplanned downtime.
- C. Companies that migrate to the AWS Cloud eliminate the need to plan for high availability and disaster recovery.
- D. Companies that migrate to the AWS Cloud reduce IT costs related to infrastructure, freeing budget for reinvestment in other areas.
- E. Applications are modernized because migration to the AWS Cloud requires companies to rearchitect and rewrite all enterprise applications.

**Answer: BD**

**Explanation:**

B and D

[https://pages.awscloud.com/global-in-gc-500-business-value-of-migration-whitepaper-learn.html?trk=9b32e983-a2c8-4455-b3a1-b385b54cba90&sc\\_channel=el](https://pages.awscloud.com/global-in-gc-500-business-value-of-migration-whitepaper-learn.html?trk=9b32e983-a2c8-4455-b3a1-b385b54cba90&sc_channel=el)

### Question: 222

CertyIQ

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

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

**Answer: B****Explanation:**

AWS CloudFormation provides a common language for you to model and provision AWS and third party application resources in your cloud environment. AWS

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

Reference:

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

**CertyIQ****Question: 223**

Which AWS services or tools are designed to protect a workload from SQL injections, cross-site scripting, and DDoS attacks? (Choose two.)

- A. VPC endpoint
- B. Virtual private gateway
- C. AWS Shield Standard
- D. AWS Config
- E. AWS WAF

**Answer: E****Explanation:**

1. Ans: CEAWS shield standard prevents DDoS attacksAWS WAF for SQL injection protection.They asking for two option to select.
2. You need both AWS WAF and Shield Standard for a realistic defence. Typo error in this question setup as we need to select more than 1 option.

**CertyIQ****Question: 224**

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

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

**Answer: B****Explanation:**

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

Reference:

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

### Question: 225

CertyIQ

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

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

**Answer: AB**

**Explanation:**

Reference:

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

### Question: 226

CertyIQ

Which AWS services are serverless? (Choose two.)

- A. AWS Fargate
- B. Amazon Managed Streaming for Apache Kafka
- C. Amazon EMR
- D. Amazon S3
- E. Amazon EC2

**Answer: AC**

**Explanation:**

1. Amazon EMR Serverless is a serverless option in Amazon EMR that makes it easy for data analysts and engineers to run open-source big data analytics frameworks without configuring, managing, and scaling clusters or servers.

### Question: 227

CertyIQ

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

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

**Answer: D**

**Explanation:**

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

### Question: 228

CertyIQ

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

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

**Answer: AB**

**Explanation:**

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

### Question: 229

CertyIQ

A company wants to add facial identification to its user verification process on an application. Which AWS service should the company use to meet this requirement?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Lex
- D. Amazon Rekognition

**Answer: D**

### Question: 230

CertyIQ

A company wants the ability to quickly upload its applications to the AWS Cloud without needing to provision underlying resources.

Which AWS service will meet these requirements?

- A. AWS CloudFormation
- B. AWS Elastic Beanstalk
- C. AWS CodeDeploy
- D. AWS CodeCommit

**Answer: B**

**Explanation:**

Reference:

**Question: 231**

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

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

**Answer: D**

**Explanation:**

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

Reference:

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

**Question: 232**

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

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

**Answer: B**

**Question: 233**

A company wants its employees to have access to virtual desktop infrastructure to securely access company-provided desktops through the employees' personal devices.

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

- A. Amazon AppStream 2.0
- B. AWS AppSync
- C. Amazon FSx for Windows File Server
- D. Amazon WorkSpaces

**Answer: D**

**Explanation:**

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

### Question: 234

CertyIQ

Which task can a company complete by using AWS Organizations?

- A. Track application deployment statuses globally.
- B. Remove unused and underutilized AWS resources across all accounts.
- C. Activate DDoS protection across all accounts.
- D. Share pre-purchased Amazon EC2 resources across accounts.

**Answer: B**

**Explanation:**

1. I would say B
2. I think the answer should be B

### Question: 235

CertyIQ

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

- A. Security
- B. Reliability
- C. Elasticity
- D. High availability

**Answer: C**

**Explanation:**

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

### Question: 236

CertyIQ

A company needs to run an application on Amazon EC2 instances. The instances cannot be interrupted at any time. The company needs an instance purchasing option that requires no long-term commitment or upfront payment. Which instance purchasing option will meet these requirements MOST cost-effectively?

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

**Answer: A**

**Explanation:**

Reference:

**Question: 237**

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

- A. There are no upfront commitments.
- B. AWS manages all security in the cloud.
- C. Users have the ability to provision resources on demand.
- D. Users have access to free and unlimited storage.
- E. Users have control over the physical infrastructure.

**Answer: AC**

**Explanation:**

There are no upfront commitments (AWS is on-demand)

AWS does not manage all security in the cloud, it is a shared responsibility model

Users do not get free unlimited storage, there are free tiers however they are capped at 12 months of usage

Users have NO control over the physical infrastructure

**Question: 238**

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

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

**Answer: B**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_access-keys.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_access-keys.html)

**Question: 239**

A company needs to generate reports for business intelligence and operational analytics on petabytes of semistructured and structured data. These reports are produced from standard SQL queries on data that is in an Amazon S3 data lake.

Which AWS service provides the ability to analyze this data?

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

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/data-warehouse/>

**CertyIQ**

**Question: 240**

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

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

**Answer: B**

**Explanation:**

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

Reference:

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

**CertyIQ**

**Question: 241**

Which of the following describes AWS Local Zones?

- A. A cluster of data centers in one geographic location
- B. A site used by Amazon CloudFront to cache frequently accessed content
- C. An extension of an AWS Region to more granular locations
- D. One or more data centers with redundant power and networking

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 242**

A retail company is migrating its IT infrastructure applications from on premises to the AWS Cloud. Which costs will the company eliminate with this migration? (Choose two.)

- A. Cost of data center operations
- B. Cost of application licensing
- C. Cost of marketing campaigns
- D. Cost of physical server hardware

E. Cost of network management

**Answer: AD**

**Explanation:**

Reference:

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

CertyIQ

**Question: 243**

What is a benefit of moving to the AWS Cloud in terms of improving time to market?

- A. Decreased deployment speed
- B. Increased application security
- C. Increased business agility
- D. Increased backup capabilities

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

**Question: 244**

Which AWS service provides inbound and outbound network ACLs to harden external connectivity to Amazon EC2?

- A. AWS IAM
- B. Amazon Connect
- C. Amazon VPC
- D. Amazon API Gateway

**Answer: C**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

CertyIQ

**Question: 245**

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

- A. Coupling
- B. Availability
- C. Security
- D. Durability

**Answer: B**

**Explanation:**

Reference:

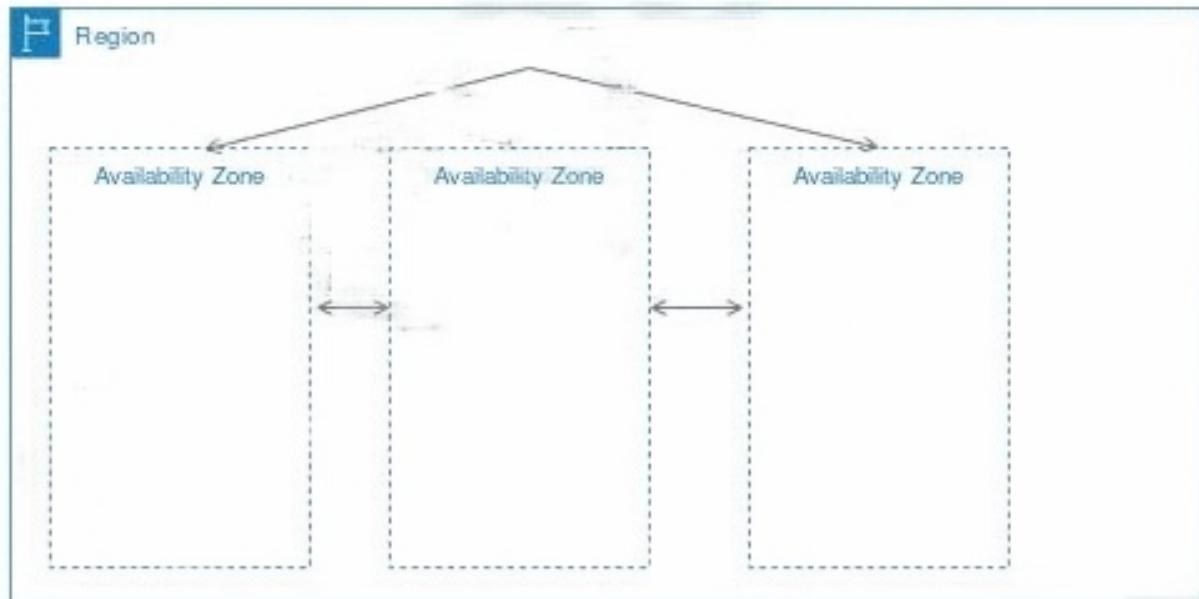
<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

" target="\_blank" style="word-break: break-all;">>

## Availability Zones

Each Region has multiple, isolated locations known as *Availability Zones*. When you launch an instance, you can select an Availability Zone or let us choose one for you. If you distribute your instances across multiple Availability Zones and one instance fails, you can design your application so that an instance in another Availability Zone can handle requests.

The following diagram illustrates multiple Availability Zones in an AWS Region.



### Question: 246

CertyIQ

A company has a complex AWS architecture. The company needs assistance from a dedicated technical professional who can suggest strategies regarding incidents, trade-offs, support, and risk management. Which AWS Support plan will provide the required support?

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

**Answer: B**

**Explanation:**

Enterprise

Access to AWS Managed Services (AMS) for an additional fee. AMS augments your existing teams with cloud advanced operations skills and capacity. Includes baseline operations, a designated Cloud Service Delivery Manager (CSDM), Cloud Architect (CA), and access to the AMS security team.

**Question: 247**

CertyIQ

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

- A. Lifecycle management of IAM credentials
- B. Physical security of global infrastructure
- C. Encryption of Amazon EBS volumes
- D. Firewall configuration

**Answer: B**

**Explanation:**

Reference:

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

**Question: 248**

CertyIQ

Which AWS services can use AWS WAF to protect against common web exploitations? (Choose two.)

- A. Amazon Route 53
- B. Amazon CloudFront
- C. AWS Transfer Family
- D. AWS Site-to-Site VPN
- E. Amazon API Gateway

**Answer: BE**

**Explanation:**

Reference:

<https://aws.amazon.com/waf/faqs/#:~:text=AWS%20WAF%20can%20be%20deployed,content%20at%20the%20Edge%20locations>

**Question: 249**

CertyIQ

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

- A. Managing edge locations
- B. Physical security

- C. Firewall configuration
- D. Global infrastructure

**Answer: C**

**Explanation:**

The AWS Shared Responsibility Model – This specifies that AWS is responsible for security of the Cloud while the customer is responsible for security 'in' the Cloud.

Customer's Responsibility – Patching the OS running on EC2 instances; creating security groups; configuring the firewall; managing user accounts, access rights, and permissions; securing AMIs; and encrypting data at the client and server side.

### Question: 250

**CertyIQ**

A company manages global applications that require static IP addresses.

Which AWS service would enable the company to improve the availability and performance of its applications?

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon API Gateway

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/global-accelerator/faqs/#:~:text=A%3A%20AWS%20Global%20Accelerator%20provides,AWS%20Regions%2C%20to%20improve%20redundancy>

### Question: 251

**CertyIQ**

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

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

**Answer: AD**

**Explanation:**

Reference:

<https://aws.amazon.com/products/compute/>

**Question: 252**

CertyIQ

A company needs to report on events that involve the specific AWS services that the company uses. Which AWS service or resource can the company use with Amazon CloudWatch to meet this requirement?

- A. Amazon Inspector
- B. AWS Personal Health Dashboard
- C. AWS Trusted Advisor
- D. AWS CloudTrail logs

**Answer: D****Explanation:**

Reference:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-log-file-examples.html>

**Question: 253**

CertyIQ

A company with AWS Enterprise Support needs help understanding its monthly AWS bill and wants to implement billing best practices.

Which AWS tool or resource is available to accomplish these goals?

- A. Resource tagging
- B. AWS Concierge Support team
- C. AWS Abuse team
- D. AWS Support

**Answer: B****Explanation:**

The Concierge team will quickly and efficiently assist you with your billing and account inquiries, and work with you to help implement billing and account best practices so that you can focus on running your business

Reference:

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

**Question: 254**

CertyIQ

A Cloud Practitioner is asked how to estimate the cost of using a new application on AWS. What is the MOST appropriate response?

- A. Inform the user that AWS pricing allows for on-demand pricing.
- B. Direct the user to the AWS Simple Monthly Calculator for an estimate.
- C. Use Amazon QuickSight to analyze current spending on-premises.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Answer: B****Explanation:**

Reference:

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

### Question: 255

CertyIQ

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

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

- A. Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- C. Use Amazon Athena to query data from the on-premises database servers.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.
- E. Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

**Answer: BD**

**Explanation:**

- B. Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC.
- D. Connect the company's on-premises data center to AWS using AWS Direct Connect.

### Question: 256

CertyIQ

A company wants to set up an entire development and continuous delivery toolchain for coding, building, testing, and deploying code.

Which AWS service will meet these requirements?

- A. Amazon CodeGuru
- B. AWS CodeStar
- C. AWS CodeCommit
- D. AWS CodeDeploy

**Answer: B**

**Explanation:**

CodeStar, since in the question they asked for web / application, and in codestar documentation they mentioned AWS CodeStar provides the tools you need to quickly develop, build, and deploy applications on AWS.

while CodeDeploy for instance is a service that automates application deployments to a variety of compute services including Amazon EC2, AWS Fargate, AWS Lambda, and on-premises instances. So it's basically intended for AWS Services and not for your code.

### Question: 257

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:**

Reference:

<https://docs.aws.amazon.com/audit-manager/latest/userguide/logging-using-cloudtrail.html>

**CertyIQ**

### Question: 258

A company requires a dedicated network connection between its on-premises servers and the AWS Cloud. Which AWS service should be used?

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

**Answer: B**

**Explanation:**

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

Reference:

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

**CertyIQ**

### Question: 259

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

- A. AWS Glue
- B. AWS Data Pipeline
- C. Amazon CloudSearch
- D. Amazon Athena

**Answer: D**

**Explanation:**

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

**Question: 260**

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

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/artifact/>**Question: 261**

Which of the following is an AWS database service?

- A. Amazon Redshift
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3 Glacier
- D. AWS Snowball

**Answer: A****Explanation:**

Reference:

<https://www.sisense.com/glossary/redshift-database/>**Question: 262**

A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud.

Which of the following are benefits of building this app in the AWS Cloud? (Choose two.)

- A. A large, upfront capital expense and low variable expenses
- B. Increased speed for trying out new projects
- C. Complete control over the physical security of the infrastructure
- D. Flexibility to scale up in minutes as the application becomes popular
- E. Ability to pick the specific data centers that will host the application servers

**Answer: BD****Explanation:**

Reference:

### Question: 263

CertyIQ

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

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

**Answer: CD**

### Question: 264

CertyIQ

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

Which AWS service will provide this assessment report?

- A. EC2 security groups
- B. AWS Config
- C. Amazon Macie
- D. Amazon Inspector

**Answer: D**

#### Explanation:

Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS. Amazon

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

#### Reference:

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

### Question: 265

CertyIQ

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

- A. Create Identity and Access Management (IAM) roles for production and non-production workloads.
- B. Use different accounts for production and non-production expenses.
- C. Use Amazon EC2 for non-production workloads and other services for production workloads.
- D. Use Amazon CloudWatch to monitor the use of services.

**Answer: B**

**Explanation:**

<https://aws.amazon.com/organizations/getting-started/best-practices/>

Given that most companies have different policy requirements for production workloads, infrastructure and security can have nested OUs for non-production (SDLC) and production (Prod). Accounts in the SDLC OU host non-production workloads and therefore should not have production dependencies from other accounts.

**Reference:**

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

**CertyIQ****Question: 266**

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

- A. AWS Service Catalog
- B. AWS Marketplace
- C. AWS Quick Start
- D. AWS CodeDeploy

**Answer: B****Explanation:**

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

<https://aws.amazon.com/servicecatalog/?aws-service-catalog.sort-by=item.additionalFields.createdDate&aws-service-catalog.sort-order=desc>

**CertyIQ****Question: 267**

A Cloud Practitioner needs to store data for 7 years to meet regulatory requirements.  
Which AWS service will meet this requirement at the LOWEST cost?

- A. Amazon S3
- B. AWS Snowball
- C. Amazon Redshift
- D. Amazon S3 Glacier

**Answer: D****Explanation:**

S3 Glacier Deep Archive is Amazon S3's lowest-cost storage class and supports long-term retention and digital preservation for data that may be accessed once or twice in a year. It is designed for customers "particularly those in highly-regulated industries, such as the Financial Services, Healthcare, and Public Sectors

" that retain data sets for 7-10 years or longer to meet regulatory compliance requirements. S3 Glacier Deep Archive can also be used for backup and disaster recovery use cases, and is a cost-effective and easy-to-manage alternative to magnetic tape systems, whether they are on-premises libraries or off-premises services.

Reference:

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

### Question: 268

CertyIQ

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

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

Answer: BD

### Question: 269

CertyIQ

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

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

Answer: B

**Explanation:**

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

Reference:

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

### Question: 270

CertyIQ

What is the purpose of AWS Storage Gateway?

- A. It ensures on-premises data storage is 99.999999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.

Answer: D

**Explanation:**

Moving data to the cloud is not quite as simple as flipping a switch. For companies that have managed their own data centers or server rooms for decades, there are a few steps to consider -- and it's not always wise to

pull the plug on an internal infrastructure quite so quickly. If a startup uses on-premise business servers and then experiences unexpected growth, abandoning those servers doesn't make sense (even if the long-term plan is to do exactly that).

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

Reference:

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

CertyIQ

### Question: 271

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

- A. Install the application using multiple internet gateways.
- B. Deploy the application to an Amazon VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Configure the application using multiple NAT gateways.

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

### Question: 272

A developer wants to deploy an application on a container-based service. The service must automatically provision and manage the backend instances. The service must provision only the necessary resources.

Which AWS service will meet these requirements?

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

**Answer: C**

**Explanation:**

1. <https://aws.amazon.com/eks/Fargate> isn't container, and it doesn't require any provision.

CertyIQ

### Question: 273

Which tasks require use of the AWS account root user? (Choose two.)

- A. Changing an AWS Support plan
- B. Modifying an Amazon EC2 instance type
- C. Grouping resources in AWS Systems Manager
- D. Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)

## E. Closing an AWS account

**Answer: AE**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

CertyIQ

## Question: 274

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

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.
- D. AWS shares responsibility with the relevant governing body.

**Answer: C**

**Explanation:**

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as

AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference:

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

CertyIQ

## Question: 275

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 Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. Customers of all sizes and industries can use Amazon S3 to store and protect any amount of data for a range of use cases, such as data lakes, websites, mobile applications, backup and restore, archive, enterprise applications, IoT devices, and big data analytics.

**Question: 276**

CertyIQ

How does consolidated billing help reduce costs for a company that has multiple AWS accounts?

- A. It aggregates usage across accounts so that the company can reach volume discount thresholds sooner.
- B. It offers an additional 5% discount on purchases of All Upfront Reserved Instances.
- C. It provides a simplified billing invoice that the company can process more quickly than a standard invoice.
- D. It gives AWS resellers the ability to bill their customers for usage.

**Answer: A****Explanation:**

Reference:

[https://aws.amazon.com/about-aws/whats-new/2010/02/09/announcing-consolidated-billing-for-aws-account s/#:~:text=Consolidated%20Billing%20enables%20you%20to,associated%20with%20your%20paying%20account](https://aws.amazon.com/about-aws/whats-new/2010/02/09/announcing-consolidated-billing-for-aws-account-s/#:~:text=Consolidated%20Billing%20enables%20you%20to,associated%20with%20your%20paying%20account)

**Question: 277**

CertyIQ

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

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

**Answer: A****Explanation:**

A seems like a better choice

What is AWS WAF? 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. <https://aws.amazon.com/waf/faqs/>

**Question: 278**

CertyIQ

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

- A. There are more AWS Regions than Availability Zones.
- B. There are more edge locations than AWS Regions.
- C. An edge location is an Availability Zone.
- D. There are more AWS Regions than edge locations.
- E. There are more Availability Zones than AWS Regions.

**Answer: BE**

**Question: 279**

CertyIQ

What does AWS Shield Standard provide?

- A. WAF rules
- B. DDoS protection
- C. Identity and Access Management (IAM) permissions and access to resources
- D. Data encryption

**Answer: B****Explanation:**

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

**Reference:**

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

**Question: 280**

CertyIQ

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources. What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node.js code
- B. Penetration testing for security
- C. hardware required to support new applications
- D. Writing specific test cases for third-party applications.

**Answer: C****Explanation:****Reference:**

<https://aws.amazon.com/pricing/cost-optimization/>

**Question: 281**

CertyIQ

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

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.
- C. Buy third-party software that runs on AWS.
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

**Answer: BC****Explanation:****Reference:**

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

**Question: 282****CertyIQ**

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.
- D. Some resources run on-premises and some run in the AWS Cloud.

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/hybrid/>**Question: 283****CertyIQ**

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

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/about-aws/whats-new/2013/02/11/announcing-dns-failover-for-route-53/>**Question: 284****CertyIQ**

A web application is hosted on AWS using an Elastic Load Balancer, multiple Amazon EC2 instances, and Amazon RDS.

Which security measures fall under the responsibility of AWS? (Choose two.)

- A. Running a virus scan on EC2 instances
- B. Protecting against IP spoofing and packet sniffing
- C. Installing the latest security patches on the RDS instance
- D. Encrypting communication between the EC2 instances and the Elastic Load Balancer
- E. Configuring a security group and a network access control list (NACL) for EC2 instances

**Answer: BC****Explanation:**

Reference:

<https://docs.aws.amazon.com/acm/latest/userguide/data-protection.html> <https://aws.amazon.com/complianc>

**Question: 285**

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

**Question: 286**

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

- A. Fixed rate monthly cost
- B. No need to guess capacity requirements
- C. Increased speed to market
- D. Increased upfront capital expenditure
- E. Physical access to cloud data centers

**Answer: BC**

**Explanation:**

Reference:

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

**Question: 287**

When comparing the total cost of ownership (TCO) of an on-premises infrastructure to a cloud architecture, what costs should be considered? (Choose two.)

- A. The credit card processing fees for application transactions in the cloud.
- B. The cost of purchasing and installing server hardware in the on-premises data.
- C. The cost of administering the infrastructure, including operating system and software installations, patches, backups, and recovering from failures.
- D. The costs of third-party penetration testing.
- E. The advertising costs associated with an ongoing enterprise-wide campaign.

**Answer: BC**

**Explanation:**

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

### Question: 288

CertyIQ

Which AWS feature allows a company to take advantage of usage tiers for services across multiple member accounts?

- A. Service control policies (SCPs)
- B. Consolidated billing
- C. All Upfront Reserved Instances
- D. AWS Cost Explorer

**Answer: B**

**Explanation:**

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

### Question: 289

CertyIQ

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security
- D. Physical security of hardware

**Answer: C**

**Explanation:**

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

### Question: 290

CertyIQ

A company has a set of databases that are stored on premises. The company wants to bring its existing Microsoft SQL Server licenses when the company moves the databases to run on Amazon EC2 instances. Which EC2 instance purchasing option should the company use to meet these requirements?

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

**Answer: C**

**Explanation:**

<https://www.trek10.com/blog/dedicated-hosts-and-dedicated-instances/>

While Dedicated Instances are extremely valuable from a compliance perspective, Dedicated Hosts also give you the visibility into the physical host that is required for a Bring Your Own License (BYOL) model — i.e., if you want to use your own Windows Server, SQL Server, SUSE, or RHEL licenses that are provided on a CPU core basis.

CertyIQ

**Question: 291**

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:**

Reference:

<https://aws.amazon.com/ec2/autoscaling/faqs/>

CertyIQ

**Question: 292**

A company discovered unauthorized access to resources in its on-premises data center. Upon investigation, the company found that the requests originated from a resource hosted on AWS.

Which AWS team should the company contact to report this issue?

- A. AWS Customer Service team
- B. AWS Sales team
- C. AWS Abuse team
- D. AWS Technical Support team

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

**Question: 293**

Which of the following are aspects of the AWS shared responsibility model? (Choose two.)

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

**Answer: BC**

**Explanation:**

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=AWS%20responsibility%20%E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services>

### Question: 294

CertyIQ

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

**Answer: A**

**Explanation:**

Reference:

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

### Question: 295

CertyIQ

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

**Answer: A**

**Explanation:**

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference:

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

### Question: 296

CertyIQ

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

**Answer: C**

**CertyIQ**

**Question: 297**

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

**Answer: B**

**Explanation:**

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference:

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

**CertyIQ**

**Question: 298**

When designing a typical three-tier web application, which AWS services and/or features improve availability and reduce the impact failures? (Choose two.)

- A. AWS Auto Scaling for Amazon EC2 instances
- B. Amazon VPC subnet ACLs to check the health of a service
- C. Distributed resources across multiple Availability Zones
- D. AWS Server Migration Service (AWS SMS) to move Amazon EC2 instances into a different Region
- E. Distributed resources across multiple AWS points of presence

**Answer: AC**

**Explanation:**

You can use Auto Scaling to help make sure that you are running the desired number of healthy EC2 instances across multiple Availability Zones. Auto Scaling can also automatically increase the number of EC2 instances during demand spikes to maintain performance and decrease capacity during less busy periods to optimize costs ([https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)). Pay attention to 3 tier application, it includes & requires mostly multiple server to perform well. ACL are for security mainly. A network access control list (ACL) is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC

(<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>). Point of Presence consists of Edge Locations and Regional Edge Cache and are used by CloudFront for CDN purpose

Reference:

[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

CertyIQ

### Question: 299

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone
- D. Distribute the compute load across multiple resources

Answer: D

Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference:

[https://d1.awsstatic.com/whitepapers/architecture/AWS\\_Well-Architected\\_Framework.pdf](https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)

CertyIQ

### Question: 300

Which of the following are recommended practices for managing IAM users? (Choose two.)

- A. Require IAM users to change their passwords after a specified period of time
- B. Prevent IAM users from reusing previous passwords
- C. Recommend that the same password be used on AWS and other sites
- D. Require IAM users to store their passwords in raw text
- E. Disable multi-factor authentication (MFA) for IAM users

Answer: AB

Explanation:

AB are **recommended** practices

Reference:

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

You can find this question in two format --> **Recommended** and **Not Recommended**.

Please choose accordingly.

Require IAM users to change their passwords after a specified period of time - recommended

B. Prevent IAM users from reusing previous passwords - recommended

C. Recommend that the same password be used on AWS and other sites - **NOT recommended**

D. Require IAM users to store their passwords in raw text - **NOT recommended**

E. Disable multi-factor authentication (MFA) for IAM users - recommended **SOMETIMES**

**NOT recommended**

So if we rephrase:

What is NOT recommended to do for your home security?

- A) Leave key in keyhole while you are away?
- B) Give 100 copies of your key to random strangers
- C) Use one key and a pincode lock code that nobody knows or
- D) Use biometrics.

AB will be the answer.

Same for this: NOT recommended....Raw text and use for other sites are not recommended.

MFA is an extra layer so if this is disabled, no worries if you didn't share it on other sites (That can be hacked) or it's retrievable in text when hacked.

### Question: 301

CertyIQ

A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project.

How can the company get this support? (Choose two.)

- A. Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.
- B. Contact AWS Support and open a case for assistance
- C. Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account
- D. Select a partner from the AWS Partner Network (APN) to assist with the migration
- E. Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

### Answer: CD

#### Explanation:

Reference:

<https://aws.amazon.com/solutions/aws-landing-zone/>

### Question: 302

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:**

Reference:

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

**CertyIQ**

**Question: 303**

An application designed to span multiple Availability Zones is described as:

- A. being highly available
- B. having global reach
- C. using an economy of scale
- D. having elasticity

**Answer: A**

**Explanation:**

Reference:

[https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj\\_NsIAxm2&sig=ACfU3U2fe5KOugmORbAoV9lgj\\_eCGlsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false](https://books.google.com.pk/books?id=lueWBQAAQBAJ&pg=PA11&lpg=PA11&dq=aws+application+designed+to+span+multiple+Availability+Zones+is+described+as+economy+of+scale&source=bl&ots=cj_NsIAxm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGlsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVkxoUKHRhjC-IQ6AEwCnoECAkQAQ#v=onepage&q=aws%20application%20designed%20to%20span%20multiple%20Availability%20Zones%20is%20described%20as%20economy%20of%20scale&f=false)

**CertyIQ**

**Question: 304**

A new service using AWS must be highly available. Yet, due to regulatory requirements, all of its Amazon EC2 instances must be located in a single geographic area.

According to best practices, to meet these requirements, the EC2 instances must be placed in at least two:

- A. AWS Regions
- B. Availability Zones
- C. subnets
- D. placement groups

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 305**

Which AWS tool is used to compare the cost of running an application on-premises to running the application in

the AWS Cloud?

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

**Answer: C**

**Explanation:**

Reference:

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

### Question: 306

**CertyIQ**

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

**Answer: C**

**Explanation:**

### Question: 307

**CertyIQ**

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address
- D. A user needs to change payment methods due to a compromise

**Answer: B**

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

The AWS Trust & Safety team can assist you when AWS resources are used to engage in the following types of abusive behavior:

- **Spam:** You are receiving unwanted emails from an AWS-owned IP address, or AWS resources are used to spam websites or forums.
- **Port scanning:** Your logs show that one or more AWS-owned IP addresses are sending packets to multiple ports on your server. You also believe this is an attempt to discover unsecured ports.
- **Denial-of-service (DoS) attacks:** Your logs show that one or more AWS-owned IP addresses are used to flood ports on your resources with packets. You also believe that this is an attempt to overwhelm or crash your server or the software running on your server.
- **Intrusion attempts:** Your logs show that one or more AWS-owned IP addresses are used to attempt to log in to your resources.

### Question: 308

CertyIQ

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

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

**Answer: BD**

**Explanation:**

Reference:

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

### Question: 309

CertyIQ

Which AWS service or resource is serverless?

- A. AWS Lambda
- B. Amazon EC2 instances
- C. Amazon Lightsail
- D. Amazon ElastiCache

**Answer: A**

**Explanation:**

Reference:

<https://blogs.itemis.com/en/serverless-services-on-aws>

**Question: 310**

Which of the following are components of Amazon VPC? (Choose two.)

- A. Objects
- B. Subnets
- C. Buckets
- D. Internet gateways
- E. Access key

**Answer: BD**

**Explanation:**

Reference:

[https://subscription.packtpub.com/book/virtualization\\_and\\_cloud/9781788293723/3/ch03lvl1sec26/vpc-components](https://subscription.packtpub.com/book/virtualization_and_cloud/9781788293723/3/ch03lvl1sec26/vpc-components)

**Question: 311**

AWS Budgets can be used to:

- A. prevent a given user from creating a resource
- B. send an alert when the utilization of Reserved Instances drops below a certain percentage
- C. set resource limits in AWS accounts to prevent overspending
- D. split an AWS bill across multiple forms of payment

**Answer: C**

**Explanation:**

1. I think B and C are feasible options but I think C captures the central idea behind AWS Budget.
2. Answer is C.

**Question: 312**

Which of the following will enhance the security of access to the AWS Management Console? (Choose two.)

- A. AWS Secrets Manager
- B. AWS Certificate Manager
- C. AWS Multi-Factor Authentication (AWS MFA)
- D. Security groups
- E. Password policies

**Answer: CE**

**Explanation:**

Reference:

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

**Question: 313**

CertyIQ

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

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

**Answer: AC****Explanation:**

Amazon S3 bucket permissions (free) Checks buckets in Amazon Simple Storage Service (Amazon S3) that have open access permissions. Bucket permissions that grant List access to everyone can result in higher than expected charges if objects in the bucket are listed by unintended users at a high frequency. Bucket permissions that grant Upload/Delete access to everyone create potential security vulnerabilities by allowing anyone to add, modify, or remove items in a bucket. This check examines explicit bucket permissions and associated bucket policies that might override the bucket permissions. Multi-factor authentication on root account (free) Checks the root account and warns if multi-factor authentication (MFA) is not enabled. For increased security, we recommend that you protect your account by using MFA, which requires a user to enter a unique authentication code from their MFA hardware or virtual device when interacting with the AWS console and associated websites.

**Reference:**

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

**Question: 314**

CertyIQ

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

**Answer: C****Explanation:****Reference:**

<https://docs.aws.amazon.com/kms/latest/developerguide/control-access.html>

**Question: 315**

CertyIQ

How does AWS Trusted Advisor provide guidance to users of the AWS Cloud? (Choose two.)

- A. It identifies software vulnerabilities in applications running on AWS
- B. It provides a list of cost optimization recommendations based on current AWS usage
- C. It detects potential security vulnerabilities caused by permissions settings on account resources

- D. It automatically corrects potential security issues caused by permissions settings on account resources
- E. It provides proactive alerting whenever an Amazon EC2 instance has been compromised

**Answer: BC**

**Explanation:**

AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices. Trusted Advisor checks help optimize your AWS infrastructure, increase security and performance, reduce your overall costs, and monitor service limits. Whether establishing new workflows, developing applications, or as part of ongoing improvement, take advantage of the recommendations provided by Trusted Advisor on a regular basis to help keep your solutions provisioned optimally.

### Question: 316

CertyIQ

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

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

**Answer: AC**

**Explanation:**

Reference:

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

### Question: 317

CertyIQ

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

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

**Answer: B**

**Explanation:**

Reference:

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

### Question: 318

CertyIQ

Which AWS services provide a user with connectivity between the AWS Cloud and on-premises resources?  
(Choose two.)

- A. AWS VPN
- B. Amazon Connect
- C. Amazon Cognito
- D. AWS Direct Connect
- E. AWS Managed Services

**Answer:** AD

**Explanation:**

Reference:

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

<https://aws.amazon.com/blogs/networking-and-content-delivery/introducing-aws-client-vpn-to-securely-access-aws-and-on-premises-resources/>

### Question: 319

CertyIQ

Which AWS service is used to pay AWS bills, and monitor usage and budget costs?

- A. AWS Billing and Cost Management
- B. Consolidated billing
- C. Amazon CloudWatch
- D. Amazon QuickSight

**Answer:** A

**Explanation:**

Reference:

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

### Question: 320

CertyIQ

Which element of the AWS global infrastructure consists of one or more discrete data centers, each with redundant power, networking, and connectivity, which are housed in separate facilities?

- A. AWS Regions
- B. Availability Zones
- C. Edge locations
- D. Amazon CloudFront

**Answer:** A

**Explanation:**

1. global = regions

### Question: 321

CertyIQ

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

**Answer: D**

**Explanation:**

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

### Question: 322

CertyIQ

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

**Answer: D**

**Explanation:**

Correct answer is A: Amazon Auto Scaling.

Reference:

<https://docs.aws.amazon.com/autoscaling/application/userguide/what-is-application-auto-scaling.html>

### Question: 323

CertyIQ

AWS Enterprise Support users have access to which service or feature that is not available to users with other AWS Support plans?

- A. AWS Trusted Advisor
- B. AWS Support case
- C. Concierge team
- D. Amazon Connect

**Answer: C**

**Explanation:**

Which AWS Trusted Advisor checks are available to user with AWS Basic Support? AWS Basic Support and

AWS Developer Support customers can access core security checks and all checks for service quotas. AWS Business Support and AWS Enterprise Support customers can access all checks, including cost optimization, security, fault tolerance, performance, and service quotas. The Concierge team will quickly and efficiently assist you with your billing and account inquiries, and work with you to help implement billing and account best practices so that you can focus on running your business. The AWS Support Concierge Service is available only for the Enterprise plan subscribers.

Reference:

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

### Question: 324

CertyIQ

A company wants to migrate a MySQL database to AWS but does not have the budget for Database Administrators to handle routine tasks including provisioning, patching, and performing backups. Which AWS service will support this use case?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon DocumentDB
- D. Amazon ElastiCache

Answer: A

Explanation:

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

Reference:

<https://aws.amazon.com/blogs/database/part-1-role-of-the-dba-when-moving-to-amazon-rds-responsibilities/>

### Question: 325

CertyIQ

A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to start supporting the new Region?

- A. Contact an AWS Account Manager to sign a new contract
- B. Move an Availability Zone to the new Region
- C. Begin deploying resources in the second Region
- D. Download the AWS Management Console for the new Region

Answer: C

Explanation:

- A. [Wrong] - No need to contact any one or to sign anything when creating resources in another region.
- B [Wrong] - You cannot move Availability Zones.
- C [Correct] - You just create resources in another region.

D [Wrong] - I like the sense of humor of the question author

Reference:

<https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-plan-region.html>

CertyIQ

### Question: 326

A user must meet compliance and software licensing requirements that state a workload must be hosted on a physical server.

Which Amazon EC2 instance pricing option will meet these requirements?

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

Answer: A

Explanation:

Reference:

<https://aws.amazon.com/ec2/dedicated-hosts/>

CertyIQ

### Question: 327

Which AWS service will provide a way to generate encryption keys that can be used to encrypt data? (Choose two.)

- A. Amazon Macie
- B. AWS Certificate Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Secrets Manager
- E. AWS CloudHSM

Answer: CE

Explanation:

Reference:

<https://docs.aws.amazon.com/crypto/latest/ug/aws-crypt-service-hsm.html> <https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

CertyIQ

### Question: 328

A company is planning to migrate from on-premises to the AWS Cloud.

Which AWS tool or service provides detailed reports on estimated cost savings after migration?

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

## D. AWS Migration Hub

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/migrationhub/latest/ug/hub-api.pdf>

(26)

**CertyIQ**

## Question: 329

What can assist in evaluating an application for migration to the cloud? (Choose two.)

- A. AWS Trusted Advisor
- B. AWS Professional Services
- C. AWS Systems Manager
- D. AWS Partner Network (APN)
- E. AWS Secrets Manager

**Answer: BD**

**CertyIQ**

## Question: 330

Which AWS service helps users meet contractual and regulatory compliance requirements for data security by using dedicated hardware appliances within the AWS Cloud?

- A. AWS Secrets Manager
- B. AWS CloudHSM
- C. AWS Key Management Service (AWS KMS)
- D. AWS Directory Service

**Answer: B**

**Explanation:**

The AWS CloudHSM service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware

Security Module (HSM) instances within the AWS cloud. AWS and AWS Marketplace partners offer a variety of solutions for protecting sensitive data within the

AWS platform, but for some applications and data subject to contractual or regulatory mandates for managing cryptographic keys, additional protection may be necessary. CloudHSM complements existing data protection solutions and allows you to protect your encryption keys within HSMs that are designed and validated to government standards for secure key management. CloudHSM allows you to securely generate, store, and manage cryptographic keys used for data encryption in a way that keys are accessible only by you.

Reference:

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

**Question: 331**

CertyIQ

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

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

**Answer: AD****Explanation:**

A & D is the correct answer since the question is NOT THE RESPONSABILITY

Reference:

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

**Question: 332**

CertyIQ

Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

**Answer: C****Explanation:**

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference:

<https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-databases-and-networking-services/>

**Question: 333**

CertyIQ

What is a value proposition of the AWS Cloud?

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

D. AWS manages user applications in the AWS Cloud

**Answer: B**

**Explanation:**

Reference:

<https://dl.awsstatic.com/whitepapers/aws-whitepaper-business-value-of-aws.pdf>

CertyIQ

**Question: 334**

What is a characteristic of Amazon S3 cross-region replication?

- A. Both source and destination S3 buckets must have versioning disabled
- B. The source and destination S3 buckets cannot be in different AWS Regions
- C. S3 buckets configured for cross-region replication can be owned by a single AWS account or by different accounts
- D. The source S3 bucket owner must have the source and destination AWS Regions disabled for their account

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

**Question: 335**

What is a user responsible for when running an application in the AWS Cloud?

- A. Managing physical hardware
- B. Updating the underlying hypervisor
- C. Providing a list of users approved for data center access
- D. Managing application software updates

**Answer: D**

**Explanation:**

Reference:

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

CertyIQ

**Question: 336**

A company that does business online needs to quickly deliver new functionality in an iterative manner, minimizing the time to market.

Which AWS Cloud feature can provide this?

- A. Elasticity
- B. High availability
- C. Agility

## D. Reliability

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/devops/partner-solutions/>

CertyIQ

## Question: 337

Which features or services can be used to monitor costs and expenses for an AWS account? (Choose two.)

- A. AWS Cost and Usage report
- B. AWS product pages
- C. AWS Simple Monthly Calculator
- D. Billing alerts and Amazon CloudWatch alarms
- E. AWS Price List API

**Answer: AD**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

CertyIQ

## Question: 338

Amazon Route 53 enables users to:

- A. encrypt data in transit
- B. register DNS domain names
- C. generate and manage SSL certificates
- D. establish a dedicated network connection to AWS

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide>Welcome.html>

CertyIQ

## Question: 339

Which AWS service helps identify malicious or unauthorized activities in AWS accounts and workloads?

- A. Amazon Rekognition
- B. AWS Trusted Advisor
- C. Amazon GuardDuty

## D. Amazon CloudWatch

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

## Question: 340

A company wants to try a third-party ecommerce solution before deciding to use it long term. Which AWS service or tool will support this effort?

- A. AWS Marketplace
- B. AWS Partner Network (APN)
- C. AWS Managed Services
- D. AWS Service Catalog

**Answer: A**

**Explanation:**

Reference:

<https://aws.amazon.com/about-aws/whats-new/2019/09/aws-marketplace-easier-to-find-solutions-from-aws-console/>

CertyIQ

## Question: 341

Which AWS service is a managed NoSQL database?

- A. Amazon Redshift
- B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon RDS for MariaDB

**Answer: B**

**Explanation:**

Reference:

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

CertyIQ

## Question: 342

Which AWS service should be used to create a billing alarm?

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

## D. Amazon QuickSight

**Answer: C**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

## Question: 343

CertyIQ

A company is hosting a web application in a Docker container on Amazon EC2. AWS is responsible for which of the following tasks?

- A. Scaling the web application and services developed with Docker
- B. Provisioning or scheduling containers to run on clusters and maintain their availability
- C. Performing hardware maintenance in the AWS facilities that run the AWS Cloud
- D. Managing the guest operating system, including updates and security patches

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/getting-started/tutorials/deploy-docker-containers/>

## Question: 344

CertyIQ

Users are reporting latency when connecting to a website with a global customer base. Which AWS service will improve the customer experience by reducing latency?

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

**Answer: A**

**Explanation:**

Reference:

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

## Question: 345

CertyIQ

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console

- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

**Answer: AD**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 346**

Which AWS feature or service can be used to capture information about incoming and outgoing traffic in an AWS VPC infrastructure?

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

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

**CertyIQ**

**Question: 347**

A company wants to use an AWS service to monitor the health of application endpoints, with the ability to route traffic to healthy regional endpoints to improve application availability.  
Which service will support these requirements?

- A. Amazon Inspector
- B. Amazon CloudWatch
- C. AWS Global Accelerator
- D. Amazon CloudFront

**Answer: C**

**Explanation:**

AWS Global Accelerator uses the AWS global network to optimize the path from your users to your applications, improving the performance of your traffic by as much as 60%. AWS Global Accelerator continually monitors the health of your application endpoints and redirects traffic to healthy endpoints in less than 30 seconds.

Reference:

<https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.lastUpdateTime&aws-global-accelerator-wn.sort-order=desc>

**Question: 348**

CertyIQ

According to the AWS Well-Architected Framework, what change management steps should be taken to achieve reliability in the AWS Cloud? (Choose two.)

- A. Use AWS Config to generate an inventory of AWS resources
- B. Use service limits to prevent users from creating or making changes to AWS resources
- C. Use AWS CloudTrail to record AWS API calls into an auditable log file
- D. Use AWS Certificate Manager to whitelist approved AWS resources and services
- E. Use Amazon GuardDuty to validate configuration changes made to AWS resources

**Answer: AC****Explanation:**

AWS Certificate Manager is a service that lets you easily provision, manage, and deploy public and private Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services and your internal connected resources. SSL/TLS certificates are used to secure network communications and establish the identity of websites over the Internet as well as resources on private networks. AWS Certificate Manager removes the time-consuming manual process of purchasing, uploading, and renewing SSL/TLS certificates. So cannot be D service limits is about resource quantity so B is wrong GuardDuty is about threat protection so E is wrong Can only be A and C

**Question: 349**

CertyIQ

Which service can be used to monitor and receive alerts for AWS account root user AWS Management Console sign-in events?

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

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/blogs/mt/monitor-and-notify-on-aws-account-root-user-activity/>

**Question: 350**

CertyIQ

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components
- D. Implement the least permissive rules for security groups

**Answer: C****Explanation:**

Reference:

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

CertyIQ

**Question: 351**

Which AWS services can be used to move data from on-premises data centers to AWS? (Choose two.)

- A. AWS Snowball
- B. AWS Lambda
- C. Amazon ElastiCache
- D. AWS Database Migration Service (AWS DMS)
- E. Amazon API Gateway

**Answer: AD**

**Explanation:**

Reference:

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

CertyIQ

**Question: 352**

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

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

**Answer: C**

**Explanation:**

<https://docs.aws.amazon.com/batch/latest/userguide/multi-node-parallel-jobs.html>

Multi-node parallel jobs enable you to run single jobs that span multiple Amazon EC2 instances. With AWS Batch multi-node parallel jobs, you can run large-scale, tightly coupled, high performance computing applications and distributed GPU model training without the need to launch, configure, and manage Amazon EC2 resources directly.

CertyIQ

**Question: 353**

Each department within a company has its own independent AWS account and its own payment method. New company leadership wants to centralize departmental governance and consolidate payments.

How can this be achieved using AWS services or features?

- A. Forward monthly invoices for each account. Then create IAM roles to allow cross-account access.
- B. Create a new AWS account. Then configure AWS Organizations and invite all existing accounts to join.

- C. Configure AWS Organizations in each of the existing accounts. Then link all accounts together.
- D. Use Cost Explorer to combine costs from all accounts. Then replicate IAM policies across accounts.

**Answer: B**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_manage\\_accounts.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_accounts.html)

### Question: 354

CertyIQ

The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept in the AWS Cloud value proposition?

- A. Economy of scale
- B. Elasticity
- C. High availability
- D. Agility

**Answer: B**

**Explanation:**

Horizontal scaling is similar to elasticity; it allows the redivision of resources between applications by provisioning, or by claiming back virtual machines. Horizontal scaling uses the infrastructure elasticity, but the application needs to be able to scale by adding more nodes and by distributing the load.

### Question: 355

CertyIQ

An ecommerce company anticipates a huge increase in web traffic for two very popular upcoming shopping holidays.  
Which AWS service or feature can be configured to dynamically adjust resources to meet this change in demand?

- A. AWS CloudTrail
- B. Amazon EC2 Auto Scaling
- C. Amazon Forecast
- D. AWS Config

**Answer: B**

**Explanation:**

Reference:

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

### Question: 356

CertyIQ

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering

- A. AWS Direct Connect
- C. AWS VPN
- D. Amazon Pinpoint

**Answer: B**

**Explanation:**

1. Keyword 'public internet', VPN stands for private connection, so I go with Direct Connect as you can use it from any device with internet

### Question: 357

CertyIQ

Which tool is used to forecast AWS spending?

- A. AWS Trusted Advisor
- B. AWS Organizations
- C. Cost Explorer
- D. Amazon Inspector

**Answer: C**

**Explanation:**

Reference:

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

### Question: 358

CertyIQ

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

- A. Amazon ElastiCache
- B. Amazon CloudFront
- C. Amazon Elastic File System (Amazon EFS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Answer: B**

**Explanation:**

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon

CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

Reference:

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

**Question: 359**

CertyIQ

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon CloudWatch

**Answer: C****Question: 360**

CertyIQ

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

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

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/ec2/faqs/>**Question: 361**

CertyIQ

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

**Answer: B****Explanation:**

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>**Question: 362**

CertyIQ

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

- A. Infrastructure facilities access management

- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications
- D. Networking infrastructure protection
- E. Security groups configuration

**Answer:** CE

**Explanation:**

Reference:

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

### Question: 363

CertyIQ

IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components.

This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling
- C. Automation
- D. Automatic scaling

**Answer:** B

**Explanation:**

Reference:

[https://d1.awsstatic.com/whitepapers/AWS\\_Cloud\\_Best\\_Practices.pdf](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)  
(20)

### Question: 364

CertyIQ

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

- A. AWS WAF
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. AWS Organizations
- E. Network ACLs

**Answer:** AE

**Explanation:**

Reference:

<https://aws.amazon.com/waf/>  
<https://docs.aws.amazon.com/vpc/latest/userguide/vpc-network-acls.html>

**Question: 365**

CertyIQ

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously. Which AWS storage service should be used?

- A. Amazon EBS
- B. Amazon EFS
- C. Amazon S3
- D. AWS Artifact

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/efs/>**Question: 366**

CertyIQ

A company has set up its IT infrastructure in the AWS Cloud. The company wants to receive detailed reports that break down AWS costs by the hour. The reports must be placed in an Amazon S3 bucket.

Which AWS tool will meet these requirements?

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

**Answer: A****Explanation:**

A. AWS Cost and Usage Reports

AWS Cost and Usage Reports (CUR) will meet the company's requirements to receive detailed reports that break down AWS costs by the hour and place them in an Amazon S3 bucket. CUR provides hourly cost and usage data for all of your AWS resources, and it allows you to break down your costs by service, tag, or custom dimensions. It also provides a detailed view of your usage, including how much you're spending on data transfer, reserved instances, and more. You can configure CUR to deliver the reports to an Amazon S3 bucket of your choice, and you can specify a prefix for the report names so that you can easily identify them. Additionally, you can also set up the reports to be delivered on a schedule, such as daily or weekly. CUR provides the ability to explore and analyze your AWS costs and usage in a more granular way and it can help you identify areas where you can optimize your costs and better understand your usage.

**Question: 367**

CertyIQ

What is the benefit of elasticity in the AWS Cloud?

- A. Ensure web traffic is automatically spread across multiple AWS Regions.
- B. Minimize storage costs by automatically archiving log data.
- C. Enable AWS to automatically select the most cost-effective services.

D. Automatically adjust the required compute capacity to maintain consistent performance.

**Answer: D**

**Explanation:**

Reference:

<https://aimconsulting.com/insights/blog/the-elastic-cloud-opportunity/>

**CertyIQ**

**Question: 368**

The continual reduction of AWS Cloud pricing is due to:

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

**Answer: C**

**Explanation:**

Benefit from massive economies of scale - Prices are reduced as AWS is more efficient due to large scale

**CertyIQ**

**Question: 369**

A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements. How can this be accomplished?

- A. Enable S3 Block Public Access from the AWS Management Console.
- B. Hold a team meeting to discuss the importance if only uploading private S3 objects.
- C. Require all S3 objects to be manually approved before uploading.
- D. Create a service to monitor all S3 uploads and remove any public uploads.

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-block-public-access.html>

**CertyIQ**

**Question: 370**

A Cloud Practitioner identifies a billing issue after examining the AWS Cost and Usage report in the AWS Management Console.

Which action can be taken to resolve this?

- A. Open a detailed case related to billing and submit it to AWS Support for help.
- B. Upload data describing the issue to a new object in a private Amazon S3 bucket.
- C. Create a pricing application and deploy it to a right-sized Amazon EC2 instance for more information.
- D. Proceed with creating a new dashboard in Amazon QuickSight.

**Answer: A****Explanation:**

The answer is A.

Reference: <https://docs.aws.amazon.com/awssupport/latest/user/case-management.html> You can create a support case in the Support Center of the AWS Management Console. In the AWS Management Console, you can create three types of customer cases in AWS Support: - Account and billing support cases are available to all AWS customers. You can get help with billing and account questions. - Service limit increase requests are available to all AWS customers. For more information about the default service quotas, formerly referred to as limits, see AWS service quotas in the AWS General Reference. - Technical support cases connect you to technical support for help with service-related technical issues and, in some cases, third-party applications. If you have a Developer Support plan, you can communicate by using email and the Support Center. If you have a Business or Enterprise Support plan, you can also communicate by phone or live chat.

**CertyIQ****Question: 371**

What does the AWS Simple Monthly Calculator do?

- A. Compares on-premises costs to colocation environments
- B. Estimates monthly billing based on projected usage
- C. Estimates power consumption at existing data centers
- D. Estimates CPU utilization

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/blogs/aws/estimate-your-c/>

**CertyIQ****Question: 372**

Who is responsible for patching the guest operating system for Amazon RDS?

- A. The AWS Product team
- B. The customer Database Administrator
- C. Managed partners
- D. AWS Support

**Answer: A****Explanation:**

Reference:

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

**Question: 373**

CertyIQ

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

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

**Answer: AB****Explanation:**

Amazon EC2 for the compute layer, and DynamoDB for the data layer. In this case, AWS Auto Scaling will scale one or more EC2 Auto Scaling groups and DynamoDB tables that are powering the application in response to the demand curve

Reference:

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

**Question: 374**

CertyIQ

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

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

**Answer: BD****Explanation:**

Reference:

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

**Question: 375**

CertyIQ

A user who wants to get help with billing and reactivate a suspended account should submit an account and billing request to:

- A. the AWS Support forum
- B. AWS Abuse
- C. an AWS Solutions Architect
- D. AWS Support

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/reactivate-suspended-account/>

CertyIQ

### Question: 376

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

**Answer: B**

**Explanation:**

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

CertyIQ

### Question: 377

Which method helps to optimize costs of users moving to the AWS Cloud?

- A. Paying only for what is used
- B. Purchasing hardware before it is needed
- C. Manually provisioning cloud resources
- D. Purchasing for the maximum possible load

**Answer: A**

**Explanation:**

Reference:

<https://www.cloudmanagementinsider.com/ways-to-optimize-aws-cost/>

CertyIQ

### Question: 378

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

- A. Installing security patches for the Xen and KVM hypervisors
- B. Installing operating system patches for Amazon DynamoDB
- C. Installing operating system security patches for Amazon EC2 database instances
- D. Installing operating system security patches for Amazon RDS database instances

**Answer: C**

**Explanation:**

Reference:

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

### Question: 379

CertyIQ

The AWS Cost Management tools give users the ability to do which of the following? (Choose two.)

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

**Answer: BC**

**Explanation:**

B&C is correct

<https://docs.aws.amazon.com/cost-management/latest/userguide/what-is-costmanagement.html>

### Question: 380

CertyIQ

Under the AWS shared responsibility model, the security and patching of the guest operating system is the responsibility of:

- A. AWS Support
- B. the customer
- C. AWS Systems Manager
- D. AWS Config

**Answer: B**

**Explanation:**

Reference:

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

### Question: 381

CertyIQ

Which AWS service makes it easy to create and manage AWS users and groups, and provide them with secure access to AWS resources at no charge?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Identity and Access Management (IAM)
- D. AWS Firewall Manager

**Answer: C**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/console\\_controlling-access.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/console_controlling-access.html) <https://aws.amazon.com/iam/>

**Question: 382****CertyIQ**

Which AWS service provides on-demand of AWS security and compliance documentation?

- A. AWS Directory Service
- B. AWS Artifact
- C. AWS Trusted Advisor
- D. Amazon Inspector

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/artifact/#:~:text=AWS%20Artifact%20is%20your%20go,reports%20and%20select%20online%20agreements.>

**Question: 383****CertyIQ**

Which AWS service can be used to turn text into life-like speech?

- A. Amazon Polly
- B. Amazon Transcribe
- C. Amazon Rekognition
- D. Amazon Lex

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/polly/#:~:text=Amazon%20Polly%20is%20a%20service,synthesize%20natural%20sound%20human%20speech.>

**Question: 384****CertyIQ**

What is one of the core principles to follow when designing a highly available application in the AWS Cloud?

- A. Design using a serverless architecture
- B. Assume that all components within an application can fail
- C. Design AWS Auto Scaling into every application
- D. Design all components using open-source code

**Answer: B**

**Question: 385**

CertyIQ

A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:

- ⇒ The status of Amazon S3 bucket permissions.
- ⇒ Whether multi-factor authentication is enabled for the AWS account root user.
- If any security groups are configured to allow unrestricted access.

Where can all this information be found in one location?

- A. Amazon QuickSight dashboard
- B. AWS CloudTrail trails
- C. AWS Trusted Advisor report
- D. IAM credential report

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/best-practice-checklist/#Security>

**Question: 386**

CertyIQ

Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?

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

**Answer: A****Explanation:**

Answer A - Dedicated Hosts.

An Amazon EC2 Dedicated Host is a physical server with EC2 instance capacity fully dedicated to your use. Dedicated Hosts can help you address compliance requirements and reduce costs by allowing you to use your existing server-bound software licenses.

Reference:

<https://aws.amazon.com/ec2/dedicated-hosts/pricing/>

**Question: 387**

CertyIQ

Which of the AWS global infrastructure is used to cache copies of content for faster delivery to users across the globe?

- A. AWS Regions
- B. Availability Zones

- C. Edge locations
- D. Data centers

**Answer: C**

**Explanation:**

When your web traffic is geo-dispersed, it's not always feasible and certainly not cost effective to replicate your entire infrastructure across the globe. A CDN provides you the ability to utilize its global network of edge locations to deliver a cached copy of web content such as videos, webpages, images and so on to your customers. To reduce response time, the CDN utilizes the nearest edge location to the customer or originating request location in order to reduce the response time. Throughput is dramatically increased given that the web assets are delivered from cache. For dynamic data, many CDNs can be configured to retrieve data from the origin servers.

Reference:

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

**CertyIQ**

**Question: 388**

A company needs to apply security rules to specific Amazon EC2 instances.

Which AWS service or feature provides this functionality?

- A.AWS WAF
- B.Network ACLs
- C.Amazon VPC
- D.Security groups

**Answer: D**

**Explanation:**

The answer is D. While security groups are a part of Amazon VPC, it is the security group itself that filters traffic. You need to always choose the most specific, correct key.

The AWS service or feature that provides functionality to apply security rules to specific Amazon EC2 instances is Security groups (D).Security groups are a fundamental feature of Amazon VPC that acts as a virtual firewall for EC2 instances. They enable you to control inbound and outbound traffic to your EC2 instances by defining rules that specify the allowed traffic's source and destination. Security groups can be applied at the instance level to specific instances or to an entire group of instances that share a common set of security requirements.

**CertyIQ**

**Question: 389**

A company wants to run Amazon EC2 instances in locations that are near the company's global users.

Which aspect of the AWS environment will support this requirement?

- A. Availability Zone
- B. Edge locations
- C. AWS Regions
- D. Regional edge caches

**Answer: C**

**Explanation:**

C. AWS Regions

AWS Regions are geographically dispersed locations where AWS infrastructure is available. Each region is designed to be isolated from other regions, so that you can run your applications and store your data in a location that is close to your global users.

A. Availability Zone: Availability Zones are distinct locations within a region that are engineered to be isolated from failures in other Availability Zones. They are not geographical locations, but separate locations within a region that provide high availability and durability.

B. Edge locations: Edge locations are where AWS content delivery network (CDN) services such as Amazon CloudFront and Amazon Route 53 are deployed. They are used to cache and distribute content and are not related to running EC2 instances.

D. Regional edge caches: Regional Edge Caches is a feature of Amazon CloudFront that caches content at the edge of the network, closer to the viewer. It helps to reduce the latency and improve the performance of the applications, but it is not related to running EC2 instances.

**CertyIQ**

**Question: 390**

A Cloud Practitioner is developing a disaster recovery plan and intends to replicate data between multiple geographic areas.

Which of the following meets these requirements?

- A. AWS Accounts
- B. AWS Regions
- C. Availability Zones
- D. Edge locations

**Answer: B**

**Explanation:**

Reference:

<https://www.botmetric.com/blog/having-a-disaster-recovery-plan-is-pivotal-the-dos-and-donts-on-aws-cloud/>

**CertyIQ**

**Question: 391**

Which features and benefits does the AWS Organizations service provide? (Choose two.)

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

**Answer: DE**

**Explanation:**

Reference:

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

**Question: 392**

Which AWS service is used to automate configuration management using Chef and Puppet?

- A. AWS Config
- B. AWS OpsWorks
- C. AWS CloudFormation
- D. AWS Systems Manager

**Answer: B****Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

### AWS OpsWorks for Chef Automate

AWS OpsWorks for Chef Automate is a fully managed configuration management service that hosts Chef Automate, a suite of automation tools from Chef for configuration management, compliance and security, and continuous deployment. OpsWorks also maintains your Chef server by automatically patching, updating, and backing up your server. OpsWorks eliminates the need to operate your own configuration management systems or worry about maintaining its infrastructure. OpsWorks gives you access to all of the Chef Automate features, such as configuration and compliance management, which you manage through the Chef console or command line tools like Knife. It also works seamlessly with your existing Chef cookbooks.

Choose AWS OpsWorks for Chef Automate if you are an existing Chef user. [Learn more »](#)

### AWS OpsWorks for Puppet Enterprise

AWS OpsWorks for Puppet Enterprise is a fully managed configuration management service that hosts Puppet Enterprise, a set of automation tools from Puppet for infrastructure and application management. OpsWorks also maintains your Puppet master server by automatically patching, updating, and backing up your server. OpsWorks eliminates the need to operate your own configuration management systems or worry about maintaining its infrastructure. OpsWorks gives you access to all of the Puppet Enterprise features, which you manage through the Puppet console. It also works seamlessly with your existing Puppet code.

Choose AWS OpsWorks for Puppet Enterprise if you are an existing Puppet user. [Learn more »](#)

**Question: 393**

Which tool is best suited for combining the billing of AWS accounts that were previously independent from one another?

- A. Detailed billing report
- B. Consolidated billing
- C. AWS Cost and Usage report
- D. Cost allocation report

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ****Question: 394**

The AWS Total Cost of Ownership (TCO) Calculator is used to:

- A. receive reports that break down AWS Cloud compute costs by duration, resource, or tags
- B. estimate savings when comparing the AWS Cloud to an on-premises environment
- C. estimate a monthly bill for the AWS Cloud resources that will be used
- D. enable billing alerts to monitor actual AWS costs compared to estimated costs

**Answer: B****Explanation:**

Reference:

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

**CertyIQ****Question: 395**

Which AWS services can be used to provide network connectivity between an on-premises network and a VPC? (Choose two.)

- A. Amazon Route 53
- B. AWS Direct Connect
- C. AWS Data Pipeline
- D. AWS VPN
- E. Amazon Connect

**Answer: BD****Explanation:**

Reference:

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

**CertyIQ****Question: 396**

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

- A. Setting up server-side encryption on an Amazon S3 bucket
- B. Amazon RDS instance patching
- C. Network and firewall configurations
- D. Physical security of data center facilities
- E. Compute capacity availability

**Answer: AC**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 397**

What is the MINIMUM AWS Support plan level that will provide users with access to the AWS Support API?

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

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 398**

A company has deployed several relational databases on Amazon EC2 instances. Every month, the database software vendor releases new security patches that need to be applied to the databases.

What is the MOST efficient way to apply the security patches?

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

**Answer: D**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 399**

A company wants to use Amazon Elastic Compute Cloud (Amazon EC2) to deploy a global commercial application. The deployment solution should be built with the highest redundancy and fault tolerance.

Based on this situation, the Amazon EC2 instances should be deployed:

- A. in a single Availability Zone in one AWS Region
- B. with multiple Elastic Network Interfaces belonging to different subnets
- C. across multiple Availability Zones in one AWS Region

D. across multiple Availability Zones in two AWS Regions

**Answer: D**

**Explanation:**

Reference:

<https://jayendrapatil.com/aws-high-availability-fault-tolerance-architecture-certification/>

### Question: 400

CertyIQ

A company has an application with users in both Australia and Brazil. All the company infrastructure is currently provisioned in the Asia Pacific (Sydney) Region in Australia, and Brazilian users are experiencing high latency. What should the company do to reduce latency?

- A. Implement AWS Direct Connect for users in Brazil
- B. Provision resources in the South America (São Paulo) Region in Brazil
- C. Use AWS Transit Gateway to quickly route users from Brazil to the application
- D. Launch additional Amazon EC2 instances in Sydney to handle the demand

**Answer: B**

**Explanation:**

Reference:

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

### Question: 401

CertyIQ

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process. What is the most appropriate purchasing option?

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

**Answer: C**

**Explanation:**

Reference:

<https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

### Question: 402

CertyIQ

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard

- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

**Answer: B**

**Explanation:**

Reference:

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

### Question: 403

CertyIQ

Which AWS hybrid storage service enables a user's on-premises applications to seamlessly use AWS Cloud storage?

- A. AWS Backup
- B. Amazon Connect
- C. AWS Direct Connect
- D. AWS Storage Gateway

**Answer: D**

**Explanation:**

Reference:

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

### Question: 404

CertyIQ

Which of the following acts as a virtual firewall at the Amazon EC2 instance level to control traffic for one or more instances?

- A. Access keys
- B. Virtual private gateways
- C. Security groups
- D. Access Control Lists (ACL)

**Answer: C**

**Explanation:**

The difference between Security Group and ACLs is that, Security Group act as a firewall for associated Amazon EC2 instances, controlling both inbound and outbound traffic at the instance level, while ACLs act as a firewall for associated subnets, controlling both inbound and outbound traffic at the subnet level. so the answer is Security Group

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

**Question: 405**

What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- A. Use AWS Direct Connect
- B. Use AWS VPN
- C. Use AWS Client VPN
- D. Use an AWS Transit Gateway

**Answer: D****Explanation:**

Reference:

[\(11\)](https://d1.awsstatic.com/whitepapers/building-a-scalable-and-secure-multi-vpc-aws-network-infrastructure.pdf)

**Question: 406**

Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

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

**Answer: D****Explanation:**

Reference:

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

**Question: 407**

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

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

**Answer: B****Explanation:**

Reference:

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

**Question: 408**

CertyIQ

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:**

Reference:

<https://aws.amazon.com/compliance/faq/>**Question: 409**

CertyIQ

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

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/s3/storage-classes/>**Question: 410**

CertyIQ

What is an Availability Zone in AWS?

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

**Answer: A****Explanation:**

Reference:

[https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

**Question: 411**

Which AWS services can be used as infrastructure automation tools? (Choose two.)

- A. AWS CloudFormation
- B. Amazon CloudFront
- C. AWS Batch
- D. AWS OpsWorks
- E. Amazon QuickSight

**Answer: AD****Explanation:**

Reference:

<https://blog.newrelic.com/engineering/best-cloud-infrastructure-automation-tools/>**Question: 412**

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

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/blogs/aws/use-cloudformation-stacksets-to-provision-resources-across-multiple-aws-accounts-and-regions/>**Question: 413**

A user would like to encrypt data that is received, stored, and managed by AWS CloudTrail. Which AWS service will provide this capability?

- A. AWS Secrets Manager
- B. AWS Systems Manager
- C. AWS Key Management Service (AWS KMS)
- D. AWS Certificate Manager

**Answer: C****Explanation:**

Reference:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/data-protection.html>

**Question: 414**

CertyIQ

Which AWS Cloud benefit eliminates the need for users to try estimating future infrastructure usage?

- A. Easy and fast deployment of applications in multiple Regions around the world
- B. Security of the AWS Cloud
- C. Elasticity of the AWS Cloud
- D. Lower variable costs due to massive economies of scale

**Answer: C****Question: 415**

CertyIQ

What credential components are required to gain programmatic access to an AWS account? (Choose two.)

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

**Answer: AC****Explanation:**

Reference:

<https://docs.aws.amazon.com/general/latest/gr/aws-sec-cred-types.html>**Question: 416**

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****Question: 417**

CertyIQ

How can a company separate costs for network traffic, Amazon EC2, Amazon S3, and other AWS services by department?

- A. Add department-specific tags to each resource
- B. Create a separate VPC for each department
- C. Create a separate AWS account for each department

**Answer: A**

**Explanation:**

A: You need this to separate the cost for network traffic, Amazon EC2, Amazon S3, and other AWS services.

B: no comment, apparently this is wrong.

C: You can't separate the cost with only creating separate account for each department without A.

**CertyIQ**

**Question: 418**

What is a benefit of consolidated billing for AWS accounts?

- A. Access to AWS Personal Health Dashboard
- B. Combined usage volume discounts
- C. Improved account security
- D. Centralized AWS IAM

**Answer: B**

**Explanation:**

Reference:

<https://jayendrapatil.com/aws-consolidated-billing/>

" target="\_blank" style="word-break: break-all;">>

## Consolidated Billing Benefits

- **One Bill**
  - A single bill with a combined view of AWS costs incurred by all accounts is generated
- **Easy Tracking**
  - Detailed cost report & charges for each of the individual AWS accounts associated with the "paying account" can be easily tracked
- **Combined Usage & Volume Discounts**
  - Charges might actually decrease because AWS combines usage from all the accounts to qualify you for **volume pricing discounts**
- **Free Tier**
  - Customers that use Consolidated Billing to consolidate payment across multiple accounts **will only have access to one free usage tier** and it is not combined across accounts

**Question: 419**

CertyIQ

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

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

**Question: 420**

CertyIQ

Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

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

**Answer: C****Explanation:**

- A. Amazon GuardDuty - threat detection service that continuously monitors your AWS accounts and workloads for malicious activity
- B. Amazon Inspector - automated vulnerability management service that continually scans AWS workloads for software vulnerabilities
- C. Amazon Macie - fully managed data security and data privacy service that uses machine learning and pattern matching to discover and protect your sensitive data in AWS
- D. AWS Shield - managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS

Reference:

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

**Question: 421**

CertyIQ

Which tool can be used to monitor AWS service limits?

- A. AWS Total Cost of Ownership (TCO) Calculator
- B. AWS Trusted Advisor

C. AWS Personal Health Dashboard

D. AWS Cost and Usage report

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/mt/monitoring-service-limits-with-trusted-advisor-and-amazon-cloudwatch/>

### Question: 422

CertyIQ

A company has distributed its workload on both the AWS Cloud and some on-premises servers. What type of architecture is this?

- A. Virtual private network
- B. Virtual private cloud
- C. Hybrid cloud
- D. Private cloud

**Answer: C**

**Explanation:**

Reference:

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

### Question: 423

CertyIQ

Which of the following describes a security best practice that can be implemented using AWS IAM?

- A. Disable AWS Management Console access for all users
- B. Generate secret keys for every IAM user
- C. Grant permissions to users who are required to perform a given task only
- D. Store AWS credentials within Amazon EC2 instances

**Answer: C**

**Explanation:**

Reference:

<https://cloudcheckr.com/cloud-security/top-5-iam-best-practices/>

### Question: 424

CertyIQ

What can be used to automate and manage secure, well-architected, multi-account AWS environments?

- A. AWS shared responsibility model
- B. AWS Control Tower
- C. AWS Security Hub

## D. AWS Well-Architected Tool

### Answer: B

#### Explanation:

Control Tower automates the process of setting up a new baseline multi-account AWS environment that is secure, well-architected, and ready to use. Control

Tower incorporates the knowledge that AWS Professional Service has gained over the course of thousands of successful customer engagements.

#### Reference:

<https://aws.amazon.com/blogs/aws/aws-control-tower-set-up-govern-a-multi-account-aws-environment/>

## Question: 425

CertyIQ

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

- A. VPC peering
- B. AWS Transit Gateway
- C. AWS Direct Connect
- D. AWS Global Accelerator

### Answer: B

#### Explanation:

#### Reference:

<https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scaling-digital-course/>

## Question: 426

CertyIQ

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

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

### Answer: A

#### Explanation:

#### Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html>

## Question: 427

CertyIQ

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

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

**Answer: B**

**Explanation:**

Spot instances are recommended for:

Applications that have flexible start and end times

Applications that are feasible only at very low compute prices

Users with urgent computing needs for large amounts of additional capacity

Reference:

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

**CertyIQ**

**Question: 428**

Under the AWS shared responsibility model, what are the customer's responsibilities? (Choose two.)

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

**Answer: DE**

**CertyIQ**

**Question: 429**

A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm.

To optimize for cost, which Amazon EC2 purchasing option should be used?

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

**Answer: C**

**Explanation:**

Reference:

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

**Question: 430**

CertyIQ

Which AWS container service will help a user install, operate, and scale the cluster management infrastructure?

- A. Amazon Elastic Container Registry (Amazon ECR)
- B. AWS Elastic Beanstalk
- C. Amazon Elastic Container Service (Amazon ECS)
- D. Amazon Elastic Block Store (Amazon EBS)

**Answer: C****Explanation:**

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

"Amazon Elastic Container Service (Amazon ECS) allows you to easily run, scale, and secure Docker container applications on AWS. Applications packaged as containers locally will deploy and run in the same way as containers managed by Amazon ECS. Amazon ECS eliminates the need to install, operate, and scale your own container orchestration and cluster management infrastructure, and allows you to focus on the resource needs and availability requirements of your containerized application."

**Question: 431**

CertyIQ

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

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

**Answer: C****Explanation:**

It is role

Use IAM roles for applications and AWS services that require Amazon S3 access. For applications on Amazon EC2 or other AWS services to access Amazon S3 resources, they must include valid AWS credentials in their AWS API requests. You should not store AWS credentials directly in the application or Amazon EC2 instance. These are long-term credentials that are not automatically rotated and could have a significant business impact if they are compromised. Instead, you should use an IAM role to manage temporary credentials for applications or services that need to access Amazon S3. When you use a role, you don't have to distribute long-term credentials (such as a user name and password or access keys) to an Amazon EC2 instance or AWS service such as AWS Lambda. The role supplies temporary permissions that applications can use when they make calls to other AWS resources.

Reference <https://docs.aws.amazon.com/AmazonS3/latest/userguide/security-best-practices.html>

**Question: 432**

CertyIQ

A company with a Developer-level AWS Support plan provisioned an Amazon RDS database and cannot connect to it.

Who should the developer contact for this level of support?

- A. AWS Support using a support case
- B. AWS Professional Services
- C. AWS technical account manager
- D. AWS consulting partners

**Answer: A****Explanation:**

Business hours email access to Cloud Support engineers.

You can have one primary contact that can open an unlimited amount of CASES.

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

**Question: 433**

CertyIQ

A company wants the ability to accommodate peak application usage without purchasing equipment for on-premises data centers.

Which AWS Cloud benefit is the company seeking?

- A. High availability
- B. Security
- C. Reliability
- D. Elasticity

**Answer: D****Explanation:**

Elasticity

The ability to acquire resources as you need them and release resources when you no longer need them. In the cloud, you want to do this automatically.

Ref link: <https://wa.aws.amazon.com/wellarchitected/2020-07-02T19-33-23/wat.concept.elasticity.en.html>

**Question: 434**

CertyIQ

A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.

How can these requirements be met?

- A. Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.
- B. Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.

- C. Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.
- D. Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

**Answer: B**

**Explanation:**

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

(<https://aws.amazon.com/rds/features/multi-az/>)

**CertyIQ**

**Question: 435**

Which AWS managed service can be used to distribute traffic between one or more Amazon EC2 instances?

- A. NAT gateway
- B. Elastic Load Balancing
- C. Amazon Athena
- D. AWS PrivateLink

**Answer: B**

**CertyIQ**

**Question: 436**

AWS Trusted Advisor provides recommendations on which of the following? (Choose two.)

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

**Answer: AD**

**Explanation:**

A-D is correct.

Trusted advisor provides recommendations on:

\*Cost Optimization

\*Performance \*Security

\*Fault Tolerance

\*Service limits

### Question: 437

CertyIQ

Which of the following tasks can only be performed after signing in with AWS account root user credentials? (Choose two.)

- A. Closing an AWS account
- B. Creating a new IAM policy
- C. Changing AWS Support plans
- D. Attaching a role to an Amazon EC2 instance
- E. Generating access keys for IAM users

Answer: AC

### Question: 438

CertyIQ

Fault tolerance refers to:

- A. the ability of an application to accommodate growth without changing design
- B. how well and how quickly an application's environment can have lost data restored
- C. how secure your application is
- D. the built-in redundancy of an application's components

Answer: D

Explanation:

D is the correct answer.

Fault-tolerance is the ability for a system to remain in operation even if some of the components used to build the system fail. ... Amazon Web Services (AWS) provides a platform that is ideally suited for building fault-tolerant software systems.

<https://docs.aws.amazon.com/whitepapers/latest/fault-tolerant-components/fault-tolerant-components.pdf>

### Question: 439

CertyIQ

A company operating in the AWS Cloud requires separate invoices for specific environments, such as development, testing, and production.

How can this be achieved?

- A. Use multiple AWS accounts
- B. Use resource tagging
- C. Use multiple VPCs
- D. Use Cost Explorer

**Answer: A**

**Explanation:**

Answer is A -

<https://www.quora.com/Can-I-have-a-separate-billing-profile-for-a-specific-server-instance-on-Amazon-web-services-AWS#:~:text=The%20only%20way%20you%20can,billing%20details%20for%20your%20instance>.

### Question: 440

CertyIQ

Which AWS service can be used in the application deployment process?

- A. AWS AppSync
- B. AWS Batch
- C. AWS CodePipeline
- D. AWS DataSync

**Answer: C**

**Explanation:**

C. AWS CodePipeline

AWS CodePipeline is a fully managed continuous delivery service that helps you automate your release pipelines for fast and reliable application and infrastructure updates. CodePipeline automates the build, test, and DEPLOY PHASES of your release process every time there is a code change, based on the release model you define. <https://aws.amazon.com/codepipeline/>

### Question: 441

CertyIQ

What can be used to reduce the cost of running Amazon EC2 instances? (Choose two.)

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

**Answer: AD**

**Explanation:**

AD is correct,

since AWS Budgets can only alert about limit breach, but is not able to limit resources on its own

### Question: 442

CertyIQ

A company is launching an e-commerce site that will store and process credit card data. The company requires

information about AWS compliance reports and AWS agreements.

Which AWS service provides on-demand access to these items?

- A. AWS Certificate Manager
- B. AWS Config
- C. AWS Artifact
- D. AWS CloudTrail

**Answer: C**

**Explanation:**

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

**Question: 443**

**CertyIQ**

Which AWS service or feature allows the user to manage cross-region application traffic?

- A. Amazon AppStream 2.0
- B. Amazon VPC
- C. Elastic Load Balancer
- D. Amazon Route 53

**Answer: D**

**Explanation:**

D is the answer : Route53 is a global service and allows cross regional nodes to be applied.

<https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-load-balancing-and-failover.html>

**Question: 444**

**CertyIQ**

Which AWS service can be used to track unauthorized API calls?

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

**Answer: B**

**Explanation:**

- B. AWS CloudTrail

AWS CloudTrail increases visibility into your user and resource activity by recording AWS Management

### Question: 445

CertyIQ

A user needs to regularly audit and evaluate the setup of all AWS resources, identify non-compliant accounts, and be notified when a resource changes.

Which AWS service can be used to meet these requirements?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Resource Access Manager
- D. AWS Systems Manager

**Answer: B**

**Explanation:**

B is correct!

AWS config: >>Helps with auditing and recording compliance of your AWS resources >>Helps record configurations and changes over time

### Question: 446

CertyIQ

A user is planning to launch two additional Amazon EC2 instances to increase availability.

Which action should the user take?

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

**Answer: A**

### Question: 447

CertyIQ

A company must store critical business data in Amazon S3 with a backup to another AWS Region.

How can this be achieved?

- A. Use an Amazon CloudFront Content Delivery Network (CDN) to cache data globally
- B. Set up Amazon S3 cross-region replication to another AWS Region
- C. Configure the AWS Backup service to back up the data to another AWS Region
- D. Take Amazon S3 bucket snapshots and copy that data to another AWS Region

**Answer: B**

### Question: 448

CertyIQ

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:**

Answer "A" is correct.

AWS Budget allow a user to set cost & usage limits, and will alert when the thresholds are exceed.

**Question: 449**

**CertyIQ**

What is the recommended method to request penetration testing on AWS resources?

- A. Open a support case
- B. Fill out the Penetration Testing Request Form
- C. Request a penetration test from your technical account manager
- D. Contact your AWS sales representative

**Answer: B**

**Explanation:**

Correct Answer is (B)

**WHAT STEPS SHOULD I TAKE BEFORE THE PENTEST?**

Fill out penetration test request form. Tell AWS the dates that testing will take place.

Tell AWS the IP Address range the scan or penetration testing will come from.

Tell AWS the IP Address range being tested (scope)

<https://rhinosecuritylabs.com/penetration-testing/penetration-testing-aws-cloud-need-know/>

**Question: 450**

**CertyIQ**

A user needs to automatically discover, classify, and protect sensitive data stored in Amazon S3.  
Which AWS service can meet these requirements?

- A. Amazon Inspector
- B. Amazon Macie
- C. Amazon GuardDuty
- D. AWS Secrets Manager

**Answer: B**

**Explanation:**

Answer is "B".

AWS Macie automatically recognizes & classifies Sensitive Data or intellectual property on AWS.

### Question: 451

CertyIQ

Which components are required to build a successful site-to-site VPN connection on AWS? (Choose two.)

- A. Internet gateway
- B. NAT gateway
- C. Customer gateway
- D. Transit gateway
- E. Virtual private gateway

Answer: CE

Explanation:

C & E On the AWS side of the Site-to-Site VPN connection, a virtual private gateway or transit gateway provides two VPN endpoints (tunnels) for automatic failover.

You configure your customer gateway device on the remote side of the Site-to-Site VPN connection.

### Question: 452

CertyIQ

Which Amazon EC2 pricing option is best suited for applications with short-term, spiky, or unpredictable workloads that cannot be interrupted?

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

Answer: C

Explanation:

On-Demand Instances are ideal for short-term, irregular workloads that cannot be interrupted. No upfront costs or minimum contracts apply. The instances run continuously until you stop them, and you pay for only the compute time you use.

### Question: 453

CertyIQ

Which AWS cloud architecture principle states that systems should reduce interdependencies?

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

**Answer: D**

**Question: 454**

CertyIQ

What is the MOST effective resource for staying up to date on AWS security announcements?

- A. AWS Personal Health Dashboard
- B. AWS Secrets Manager
- C. AWS Security Bulletins
- D. Amazon Inspector

**Answer: C**

**Explanation:**

Ref: <https://aws.amazon.com/security/security-bulletins/?card-body.sort-by=item.additionalFields.bulletinDateSort&card-body.sort-order=desc>

**Question: 455**

CertyIQ

Which AWS service offers persistent storage for a file system?

- A. Amazon S3
- B. Amazon EC2 instance store
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon ElastiCache

**Answer: C**

**Explanation:**

Amazon Elastic Block Store (Amazon EBS) provides persistent block storage volumes for use with Amazon EC2 instances in the AWS Cloud. Each Amazon EBS volume is automatically replicated within its Availability Zone to protect you from component failure, offering high availability and durability.

**Question: 456**

CertyIQ

Which of the following allows AWS users to manage cost allocations for billing?

- A. Tagging resources
- B. Limiting who can create resources
- C. Adding a secondary payment method
- D. Running all operations on a single AWS account

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

The cost allocation report includes all of your AWS costs for each billing period. The report includes both tagged and untagged resources, so that you can clearly organize the charges for resources.

### Question: 457

CertyIQ

Which AWS service should a cloud practitioner use to receive real-time guidance for provisioning resources, based on AWS best practices related to security, cost optimization, and service limits?

- A. AWS Trusted Advisor
- B. AWS Config
- C. AWS Security Hub
- D. AWS Systems Manager

Answer: A

### Question: 458

CertyIQ

Which of the following AWS services are serverless? (Choose two.)

- A. AWS Lambda
- B. Amazon Elasticsearch Service
- C. AWS Elastic Beanstalk
- D. Amazon DynamoDB
- E. Amazon Redshift

Answer: AD

### Question: 459

CertyIQ

Which AWS managed services can be used to extend an on-premises data center to the AWS network? (Choose two.)

- A. AWS VPN
- B. NAT gateway
- C. AWS Direct Connect
- D. Amazon Connect
- E. Amazon Route 53

Answer: AC

### Question: 460

CertyIQ

Which requirement must be met for a member account to be unlinked from an AWS Organizations account?

- A. The linked account must be actively compliant with AWS System and Organization Controls (SOC).
- B. The payer and the linked account must both create AWS Support cases to request that the member account be unlinked from the organization.

- C. The member account must meet the requirements of a standalone account.
- D. The payer account must be used to remove the linked account from the organization.

**Answer: C**

**Explanation:**

You can remove an account from your organization only if the account has the information that is required for it to operate as a standalone account. When you create an account in an organization using the AWS Organizations console, API, or AWS CLI commands, all the information that is required of standalone accounts is not automatically collected. For each account that you want to make standalone, you must choose a support plan, provide and verify the required contact information, and provide a current payment method. AWS uses the payment method to charge for any billable (not AWS Free Tier) AWS activity that occurs while the account isn't attached to an organization.

**Question: 461**

**CertyIQ**

What AWS benefit refers to a customer's ability to deploy applications that scale up and down to meet variable demand?

- A. Elasticity
- B. Agility
- C. Security
- D. Scalability

**Answer: A**

**Explanation:**

**Elasticity** The ability to acquire resources as you need them and release resources when you no longer need them. In the cloud, you want to do this automatically. from:

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

**Scalability:** Cloud solutions architects should ideally “build today with tomorrow in mind,” meaning their solutions need to cater to current scale requirements as well as the anticipated growth of the solution from:  
<https://aws.amazon.com/blogs/architecture/architecting-for-reliable-scalability/>

**Question: 462**

**CertyIQ**

During a compliance review, one of the auditors requires a copy of the AWS SOC 2 report. Which service should be used to submit this request?

- A. AWS Personal Health Dashboard
- B. AWS Trusted Advisor
- C. AWS Artifact
- D. Amazon S3

**Answer: C**

**Question: 463**

CertyIQ

A company wants to set up a highly available workload in AWS with a disaster recovery plan that will allow the company to recover in case of a regional service interruption.  
Which configuration will meet these requirements?

- A. Run on two Availability Zones in one AWS Region, using the additional Availability Zones in the AWS Region for the disaster recovery site.
- B. Run on two Availability Zones in one AWS Region, using another AWS Region for the disaster recovery site.
- C. Run on two Availability Zones in one AWS Region, using a local AWS Region for the disaster recovery site.
- D. Run across two AWS Regions, using a third AWS Region for the disaster recovery site.

**Answer: B****Explanation:**

<https://aws.amazon.com/blogs/startups/large-scale-disaster-recovery-using-aws-regions/>

service that runs in HA is handled by hosts running in different availability zones but in the same geographical region. This approach, however, does not guarantee that our business will be up and running in case the entire region goes down. DR takes things to a completely new level, wherein you need to be able to recover from a different region that's separated by over 250 miles. Our DR implementation is an Active/Passive model, meaning that we always have minimum critical services running in different regions, but a major part of the infrastructure is launched and restored when required.

**Question: 464**

CertyIQ

A company has a 500 TB image repository that needs to be transported to AWS for processing.  
Which AWS service can import this data MOST cost-effectively?

- A. AWS Snowball
- B. AWS Direct Connect
- C. AWS VPN
- D. Amazon S3

**Answer: A****Explanation:**

It has to be AWS snowball because Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of the AWS cloud. Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns

**Question: 465**

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:**

Reference:

<https://aws.amazon.com/rds/postgresql/>

**CertyIQ**

**Question: 466**

Which of the following assist in identifying costs by department? (Choose two.)

- A. Using tags on resources
- B. Using multiple AWS accounts
- C. Using an account manager
- D. Using AWS Trusted Advisor
- E. Using Consolidated Billing

**Answer: A**

**Explanation:**

Its AB, the key word is "identifying", you can use separated accounts, use tags on cost explorer. When accessing your account billing dashboard tags (<https://console.aws.amazon.com/billing/home?region=sa-east-1#/tags>) You will be able to view your cost allocation tags after enabling Cost Explorer. To enable Cost Explorer click here.

**CertyIQ**

**Question: 467**

A company wants to allow full access to an Amazon S3 bucket for a particular user.

Which element in the S3 bucket policy holds the user details that describe who needs access to the S3 bucket?

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

**Answer: A**

**Explanation:**

An Amazon S3 bucket policy contains the following basic elements: Statements — a statement is the main element in a policy. It consists of several elements, including principals, resources, actions, and effects. Bucket policies typically contain an array of statements. Permitted principals — a principal is a user, entity, or account with access permissions to resources and actions in a statement. Resources — Amazon S3 resources to which the policy applies include buckets, objects, jobs, and access points. You can identify resources using ARNs. Actions — there are specific, permitted operations for each resource. You can use action keywords to allow or deny operations

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/walkthrough1.html>

**Question: 468**

CertyIQ

Which AWS service allows for effective cost management of multiple AWS accounts?

- A. AWS Organizations
- B. AWS Trusted Advisor
- C. AWS Direct Connect
- D. Amazon Connect

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/blogs/aws/aws-organizations-policy-based-management-for-multiple-aws-accounts/>

**Question: 469**

CertyIQ

A company is piloting a new customer-facing application on Amazon Elastic Compute Cloud (Amazon EC2) for one month.

What pricing model is appropriate?

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

**Answer: C****Explanation:**

Reference:

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

**Question: 470**

CertyIQ

Which AWS tools automatically forecast future AWS costs?

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

**Answer: D****Explanation:**

Reference:

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

**Question: 471****CertyIQ**

Under the AWS shared responsibility model, which of the following is a responsibility of AWS?

- A. Enabling server-side encryption for objects stored in S3
- B. Applying AWS IAM security policies
- C. Patching the operating system on an Amazon EC2 instance
- D. Applying updates to the hypervisor

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

**Question: 472****CertyIQ**

A company plans to run its IT infrastructure in the AWS Cloud. The infrastructure must be highly available. The company also must minimize the network latency between servers.

Which deployment scenario will meet these requirements?

- A. Deploy in multiple Availability Zones in multiple AWS Regions.
- B. Deploy in one Availability Zone in one AWS Region
- C. Deploy in multiple AWS Regions. Deploy in one Availability Zone in each Region.
- D. Deploy in multiple Availability Zones in one AWS Region.

**Answer: D****Explanation:**

Correct answer is D:Deploy in multiple Availability Zones in one AWS Region.

**Question: 473****CertyIQ**

Performing operations as code is a design principle that supports which pillar of the AWS Well-Architected Framework?

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

**Answer: B****Explanation:**

Reference:

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

## 1. Operational Excellence

The Operational Excellence pillar includes the ability to support development and run workloads effectively, gain insight into their operation, and continuously improve, supporting processes and procedures to deliver business value. You can find prescriptive guidance on implementation in the [Operational Excellence Pillar whitepaper](#).

### Design Principles

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

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

#### Question: 474

CertyIQ

A company is designing an application. For the data persistence layer, the company wants to use a NoSQL database.

Which AWS service should the company use for the database?

- A. Amazon Redshift
- B. AWS DataSync
- C. Amazon Athena
- D. Amazon DynamoDB

**Answer: D**

**Explanation:**

Correct answer is D:Amazon DynamoDB.

#### Question: 475

CertyIQ

What is a characteristic of Convertible Reserved Instances (RIs)?

- A. Users can exchange Convertible RIs for other Convertible RIs from a different instance family.
- B. Users can exchange Convertible RIs for other Convertible RIs in different AWS Regions.
- C. Users can sell and buy Convertible RIs on the AWS Marketplace.
- D. Users can shorten the term of their Convertible RIs by merging them with other Convertible RIs.

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-convertible-exchange.html>

**Question: 476****CertyIQ**

The user is fully responsible for which action when running workloads on AWS?

- A. Patching the infrastructure components
- B. Implementing controls to route application traffic
- C. Maintaining physical and environmental controls
- D. Maintaining the underlying infrastructure components

**Answer: B****Explanation:**

Implementing controls to route application traffic.

**Question: 477****CertyIQ**

An architecture design includes Amazon EC2, an Elastic Load Balancer, and Amazon RDS. What is the BEST way to get a monthly cost estimation for this architecture?

- A. Open an AWS Support case, provide the architecture proposal, and ask for a monthly cost estimation.
- B. Collect the published prices of the AWS services and calculate the monthly estimate.
- C. Use the AWS Simple Monthly Calculator to estimate the monthly cost.
- D. Use the AWS Total Cost of Ownership (TCO) Calculator to estimate the monthly cost.

**Answer: C****Explanation:**

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

**Question: 478****CertyIQ**

Which are benefits of using Amazon RDS over Amazon EC2 when running relational databases on AWS? (Choose two.)

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

**Answer: AD**

**Explanation:**

Reference:

[\*\*CertyIQ\*\*](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide>Welcome.html</a></p></div><div data-bbox=)

**Question: 479**

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes
- D. Secure, durable, and lowest cost storage for data archival

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

**CertyIQ****Question: 480**

A company has multiple data sources across the organization and wants to consolidate data into one data warehouse.

Which AWS service can be used to meet this requirement?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Amazon Athena
- D. Amazon QuickSight

**Answer: B****Explanation:**

Reference:

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

**CertyIQ****Question: 481**

Which AWS service can be used to track resource changes and establish compliance?

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

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/config/latest/developerguide/evaluate-config.html>

**CertyIQ****Question: 482**

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

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

**Answer: B****Explanation:**

Reference:

<https://www.gremlin.com/blog/implementing-cost-saving-strategies-on-amazon-ec-2-with-chaos-engineering/>

**CertyIQ****Question: 483**

A user has a stateful workload that will run on Amazon EC2 for the next 3 years.  
What is the MOST cost-effective pricing model for this workload?

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

**Answer: B****Explanation:**

Answer - B

For More Information visit:

[https://vote-for-miles.mn.co/posts/19850397?utm\\_source=manual](https://vote-for-miles.mn.co/posts/19850397?utm_source=manual)

**CertyIQ****Question: 484**

A cloud practitioner needs an Amazon EC2 instance to launch and run for 7 hours without interruptions.  
What is the most suitable and cost-effective option for this task?

- A. On-Demand Instance
- B. Reserved Instance
- C. Dedicated Host

#### D. Spot Instance

**Answer: A**

**Explanation:**

A.

We recommend that you use On-Demand Instances for applications with short-term, irregular workloads that cannot be interrupted.

CertyIQ

#### Question: 485

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

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

**Answer: CD**

**Explanation:**

**Cost Optimization** – Recommendations that can potentially save you money. These checks highlight unused resources and opportunities to reduce your bill. **Performance** – Recommendations that can improve the speed and responsiveness of your applications. **Security** – Recommendations for security settings that can make your AWS solution more secure. **Fault Tolerance** – Recommendations that help increase the resiliency of your AWS solution. These checks highlight redundancy shortfalls, current service limits (also known as quotas), and overused resources. **Service Limits** – Checks the usage for your account and whether your account approaches or exceeds the limit (also known as quotas) for AWS services and resources."

**Reference:**

<https://aws.amazon.com/about-aws/whats-new/2016/06/aws-support-enables-tagging-capabilities-for-trusted-advisor/>

CertyIQ

#### Question: 486

A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

**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.

### Question: 487

CertyIQ

Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?

- A. AWS Storage Gateway
- B. Amazon S3 Glacier Deep Archive
- C. Amazon Lightsail
- D. AWS Snowball

**Answer: D**

**Explanation:**

Answer is D.

AWS Snowball is a petabyte-scale data transport service that uses secure devices to transfer large amounts of data into and out of the AWS Cloud. Snowball addresses challenges like high network costs, long transfer times, and security concerns to migrate data as efficiently as possible.

Reference:

<https://docs.aws.amazon.com/snowball/latest/ug/transfer-petabytes.html>

### Question: 488

CertyIQ

Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

**Answer: A**

**Explanation:**

Correct answer is A:Amazon EFS.

A is correct. EFS stores data in and across multiple Availability Zones. The duplicate storage enables you to access data concurrently from all the Availability Zones in the Region where a file system is located.

Reference:

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

### Question: 489

CertyIQ

A user is planning to migrate an application workload to the AWS Cloud.  
Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

**Answer: B**

**Explanation:**

Maintaining physical and environmental controls.

**CertyIQ**

**Question: 490**

Which services can be used to deploy applications on AWS? (Choose two.)

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

**Answer: AC**

**Explanation:**

Reference:

<https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>

**CertyIQ**

**Question: 491**

Which AWS service can be used to provide an on-demand, cloud-based contact center?

- A. AWS Direct Connect
- B. Amazon Connect
- C. AWS Support Center
- D. AWS Managed Services

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/connect/customers/>

**CertyIQ**

**Question: 492**

What tool enables customers without an AWS account to estimate costs for almost all AWS services?

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

**Answer: B**

**Explanation:**

Cost Explorer visualizes AWS costs and usage over time.

If you do not have an AWS account, you must use the TCO calculator to calculate the estimated cost.

**CertyIQ**

**Question: 493**

Which component must be attached to a VPC to enable inbound Internet access?

- A. NAT gateway
- B. VPC endpoint
- C. VPN connection
- D. Internet gateway

**Answer: D**

**Explanation:**

An internet gateway must be attached to the VPC. The route tables associated with your public subnet (including custom route tables) must have a route to the internet gateway. The security groups associated with your VPC must allow traffic to flow to and from the Internet.

**CertyIQ**

**Question: 494**

Which pricing model would result in maximum Amazon Elastic Compute Cloud (Amazon EC2) savings for a database server that must be online for one year?

- A. Spot Instance
- B. On-Demand Instance
- C. Partial Upfront Reserved Instance
- D. No Upfront Reserved Instance

**Answer: C**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

**CertyIQ**

**Question: 495**

A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher

availability in the event of an outage.

Which set of tasks would meet this requirement?

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

**Answer: C**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

### Question: 496

CertyIQ

A company wants to ensure that AWS Management Console users are meeting password complexity requirements.

How can the company configure password complexity?

- A. Using an AWS IAM user policy
- B. Using an AWS Organizations service control policy (SCP)
- C. Using an AWS IAM account password policy
- D. Using an AWS Security Hub managed insight

**Answer: C**

**Explanation:**

Sign in to the AWS Management Console and open the IAM console at <https://console.aws.amazon.com/iam/>.

In the navigation pane, choose Account settings. In the Password policy section, choose Change. Select the options that you want to apply to your password policy and choose Save changes.

### Question: 497

CertyIQ

Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure
- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

**Answer: A**

**Explanation:**

Patch Management – AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.

**Question: 498**

CertyIQ

Which of the following tasks is required to deploy a PCI-compliant workload on AWS?

- A. Use any AWS service and implement PCI controls at the application layer
- B. Use an AWS service that is in-scope for PCI compliance and raise an AWS support ticket to enable PCI compliance at the application layer
- C. Use any AWS service and raise an AWS support ticket to enable PCI compliance on that service
- D. Use an AWS service that is in scope for PCI compliance and apply PCI controls at the application layer

**Answer: D****Explanation:**

Reference:

<https://docs.aws.amazon.com/securityhub/latest/userguide/securityhub-pci-controls.html>**Question: 499**

CertyIQ

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:**

Reference:

<https://aws.amazon.com/sqs/faqs/>**Question: 500**

CertyIQ

AnyCompany recently purchased Example Corp. Both companies use AWS resources, and AnyCompany wants a single aggregated bill.

Which option allows AnyCompany to receive a single bill?

- A. Example Corp. must submit a request to its AWS solutions architect or AWS technical account manager to link the accounts and consolidate billing.
- B. AnyCompany must create a new support case in the AWS Support Center requesting that both bills be combined.
- C. Send an invitation to join the organization from AnyCompany's AWS Organizations master account to Example Corp.
- D. Migrate the Example Corp. VPCs, Amazon EC2 instances, and other resources into the AnyCompany AWS account.

**Answer: C**

**Explanation:**

C - Organization --> You can remove an account from your organization only if the account has the information that is required for it to operate as a standalone account.

**Question: 501****CertyIQ**

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

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/getting-started/hands-on/control-your-costs-free-tier-budgets/>

**Question: 502****CertyIQ**

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:**

Reference:

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

**Question: 503****CertyIQ**

Which AWS Trusted Advisor check is available to all AWS users?

- A. Core checks
- B. All checks
- C. Cost optimization checks
- D. Fault tolerance checks

**Answer: A**

**Explanation:**

Correct answer is A:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/> " AWS Basic Support and AWS Developer Support customers can access core security checks and all checks for service quotas. AWS Business Support and AWS Enterprise Support customers can access all checks, including cost optimization, security, fault tolerance, performance, and service quotas. "

Reference:

<https://www.amazonaws.cn/en/support/trustedadvisor/faq/#checks>

**CertyIQ****Question: 504**

A web developer is concerned that a DDoS attack could target an application.  
Which AWS services or features can help protect against such an attack? (Choose two.)

- A. AWS Shield
- B. AWS CloudTrail
- C. Amazon CloudFront
- D. AWS Support Center
- E. AWS Service Health Dashboard

**Answer: AC****Explanation:**

AWS Shield Advanced is available globally on all Amazon CloudFront, AWS Global Accelerator, and Amazon Route 53 edge locations. You can protect your web applications hosted anywhere in the world by deploying Amazon CloudFront in front of your application. <https://aws.amazon.com/shield/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc>

**CertyIQ****Question: 505**

Which AWS service gives users on-demand, self-service access to AWS compliance control reports?

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

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/artifact>  
" target="\_blank" style="word-break: break-all;">>

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

### Question: 506

CertyIQ

A company wants to provide one of its employees with access to Amazon RDS. The company also wants to limit the interaction to only the AWS CLI and AWS software development kits (SDKs). Which combination of actions should the company take to meet these requirements while following the principles of least privilege? (Choose two.)

- A. Create an IAM user and provide AWS Management Console access only.
- B. Create an IAM user and provide programmatic access only.
- C. Create an IAM role and provide AWS Management Console access only.
- D. Create an IAM policy with administrator access and attach it to the IAM user.
- E. Create an IAM policy with Amazon RDS access and attach it to the IAM user.

#### Answer: BE

#### Explanation:

If you substitute the word "confine" for "limit" (they mean the same). It becomes clear the answer is B & E, since we don't want management console (GUI) access

### Question: 507

CertyIQ

A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources.

Which AWS service should the company use?

- A. AWS Config
- B. AWS Secrets Manager
- C. AWS CloudTrail
- D. AWS Trusted Advisor

#### Answer: A

#### Explanation:

Reference:

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

**Question: 508**

What are the advantages of deploying an application with Amazon EC2 instances in multiple Availability Zones? (Choose two.)

- A. Preventing a single point of failure
- B. Reducing the operational costs of the application
- C. Allowing the application to serve cross-region users with low latency
- D. Increasing the availability of the application
- E. Increasing the load of the application

**Answer: AD****Explanation:**

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-increase-availability.html>**Question: 509**

A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances. What pricing model will minimize cost while ensuring that compute resources remain available?

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

**Answer: D****Explanation:**

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>**Question: 510**

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

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

**Answer: A****Explanation:**

Correct answer is A: AWS Personal Health Dashboard.

Reference:

<https://aws.amazon.com/about-aws/whats-new/2016/12/introducing-aws-personal-health-dashboard/>

**Question: 511**

CertyIQ

Which of the following is the customer's responsibility when using Amazon RDS?

- A. Patching the operating system of underlying hardware
- B. Controlling traffic to and from the database through security groups
- C. Running backups that enable point-in-time recovery of a DB instance
- D. Replacing failed DB instances

**Answer: B****Explanation:**

Controlling traffic to and from the database through security groups.

**Question: 512**

CertyIQ

What is the customer's responsibility when using AWS Lambda?

- A. Operating system configuration
- B. Application management
- C. Platform management
- D. Code encryption

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/lambda/security-overview-of-aws-lambda/>

**Question: 513**

CertyIQ

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds.  
Which AWS service will support these requirements?

- A. AWS Budgets
- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Macie

**Answer: A****Explanation:**

Reference:

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

**Question: 514**

Which AWS service provides the ability to host a NoSQL database in the AWS Cloud?

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/nosql/>**Question: 515**

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

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

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/ec2/spot/>**Question: 516**

Which AWS service or feature requires an internet service provider (ISP) and a colocation facility to be implemented?

- A. AWS VPN
- B. Amazon Connect
- C. AWS Direct Connect
- D. Internet gateway

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/directconnect/partners/>**Question: 517**

Which AWS services offer compute capabilities? (Choose two.)

- A. Amazon EC2
- B. Amazon S3
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon Cognito
- E. AWS Lambda

**Answer: AE**

**Explanation:**

Reference:

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

### Question: 518

CertyIQ

Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild
- B. AWS CodeCommit
- C. AWS CodePipeline
- D. AWS CodeStar

**Answer: B**

**Explanation:**

Reference:

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

### Question: 519

CertyIQ

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

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

**Answer: D**

**Explanation:**

Reference:

<https://www.coalfire.com/the-coalfire-blog/march-2019/aws-trusted-advisor-for-security-compliance>

### Question: 520

CertyIQ

A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of

an environmental disruption.

Which AWS infrastructure component should the company replicate across?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

**Answer: C**

**Explanation:**

C

Regions is better choice than B.Availability Zones Keyword: Environmental, replicate (aws use read replicate when talk about regions) Brainstorm: When wide fire breaks out in California, it affects the whole region us-west that why you must replicate across region. Even US Gov has the best protection 99.99%, they are not even taking the risk of 0.01%, that the whole region might go down because of environmental disaster, they made 2, GovCloud (US-West) Region, GovCloud (US-East) Region. Source: [https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

### Question: 521

CertyIQ

Which AWS service uses a combination of publishers and subscribers?

- A.AWS Lambda
- B.Amazon Simple Notification Service (Amazon SNS)
- C.Amazon Cloud Watch
- D.AWS CloudFormation

**Answer: B**

**Explanation:**

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

### Question: 522

CertyIQ

Which AWS Cloud design principles can help increase reliability? (Choose two.)

- A. Using monolithic architecture
- B. Measuring overall efficiency
- C. Testing recovery procedures
- D. Adopting a consumption model
- E. Automatically recovering from failure

**Answer: CE**

**Explanation:**

Reference:

<https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

" target="\_blank" style="word-break: break-all;">>

- **Automatically recover from failure:** By monitoring a workload for key performance indicators (KPIs), you can trigger automation when a threshold is breached. These KPIs should be a measure of business value, not of the technical aspects of the operation of the service. This allows for automatic notification and tracking of failures, and for automated recovery processes that work around or repair the failure. With more sophisticated automation, it's possible to anticipate and remediate failures before they occur.
- **Test recovery procedures:** In an on-premises environment, testing is often conducted to prove that the workload works in a particular scenario. Testing is not typically used to validate recovery strategies. In the cloud, you can test how your workload fails, and you can validate your recovery procedures. You can use automation to simulate different failures or to recreate scenarios that led to failures before. This approach exposes failure pathways that you can test and fix before a real failure scenario occurs, thus reducing risk.

### Question: 523

CertyIQ

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

- A. Application Load Balancer
- B. AWS Global Accelerator
- C. AWS Direct Connect
- D. Amazon CloudFront
- E. AWS Lambda

### Answer: BD

#### Explanation:

AWS Global Accelerator relies on ELB to provide the traditional load balancing features such as support for internal and non-AWS endpoints, pre-warming, and Layer 7 routing. However, while ELB provides load balancing within one Region, AWS Global Accelerator provides traffic management across multiple Regions.

Key point is: single region to worldwide

<https://aws.amazon.com/global-accelerator/faqs/#:~:text=AWS%20Global%20Accelerator%20relies%20on,traffic%20management%20across%20multiple%20Regions.>

### Question: 524

CertyIQ

A company wants to connect to AWS over a private, low-latency connection from its remote office. What is the recommended method to meet these requirements?

- A. Create a VPN tunnel
- B. Connect across the public internet
- C. Use VPC peering to create a connection.
- D. Use AWS Direct Connect.

**Answer: D**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 525**

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

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

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 526**

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.  
Which AWS service should the company use?

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

**Answer: B**

**Explanation:**

<https://aws.amazon.com/premiumsupport/knowledge-center/waf-block-common-attacks/>

Protect against SQL injection and cross-site scripting To protect your applications against SQL injection and cross-site scripting (XSS) attacks, use the built-in SQL injection and cross-site scripting engines. Remember that attacks can be performed on different parts of the HTTP request, such as the HTTP header, query string, or URI. Configure the AWS WAF rules to inspect different parts of the HTTP request against the built-in mitigation engines.

Reference:

**Question: 527**

How should a web application be deployed to ensure high availability in the AWS Cloud?

- A. Deploy multiple instances of the application in multiple Availability Zones.
- B. Deploy multiple instances of the application in a single Availability Zone.
- C. Deploy the application to a compute-optimized Amazon EC2 instance in a single Availability Zone.
- D. Deploy the application in one Amazon EC2 instance in an Auto Scaling group.

**Answer: A**

**Explanation:**

Reference:

<https://www.betsol.com/blog/how-to-make-high-availability-web-applications-on-amazon-web-services/>

**Question: 528**

A company is running a self-managed Oracle database directly on Amazon EC2 for its steady-state database. The company wants to reduce compute costs.

Which option should the company use to maximize savings over a 3-year term?

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

**Answer: C**

**Explanation:**

Correct answer is C:EC2 Reserved Instances.

**Question: 529**

An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys.

What 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:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_getting-report.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_getting-report.html)

### Question: 530

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:

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

### Question: 531

CertyIQ

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

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

Answer: A

Explanation:

A - Based on the requirements to have uninterrupted traffic and to have the most cost-effective option. Spot instances are used for workloads that have flexible start and end times and though the question states brief there is no definite indication it wouldn't exceed the 2-min warning. Additionally, 'reserved Instances are not physical instances, but rather a billing discount applied to the use of On-Demand Instances in your account' according to the below link. This 'discount' is only applicable if the customer commits to a 1 or 3-year term which once again does not necessarily fit into the cost constraints of the question.

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-reserved-instances.html>

### Question: 532

CertyIQ

A company wants to track AWS resource configuration changes for compliance reasons.

Which AWS feature can be used to meet this requirement?

- A. AWS Cost and Usage Report
- B. AWS Organizations service control policies (SCPs)
- C. AWS Config rules
- D. VPC Flow Logs

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 533

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

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

**Answer: A**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/industries/how-to-build-a-global-scalable-low-latency-and-secure-machine-learning-medical-imaging-analysis-platform-on-aws/>

**CertyIQ**

### Question: 534

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

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

**Answer: D**

**Explanation:**

The AWS IAM recommended practice for providing the fewest possible privileges is as follows:

- A. apply an IAM policy to an IAM group and limit the size of the group. --limiting the size of the group makes no sense
- B. require multi-factor authentication (MFA) for all IAM users. --what MFA has to do with assigning privileges???

C. require each IAM user who has different permissions to have multiple passwords. --really??

D. apply an IAM policy only to IAM users who require it. --makes the most sense. Not practical but hey is AWS :)

Reference:

<https://kirkpatrickprice.com/blog/best-practices-for-privilege-management-in-aws/>

### Question: 535

CertyIQ

A company wants to deploy a highly available third-party firewall appliance.

Which AWS service or resource will support this task?

- A. AWS WAF
- B. AWS Security Hub
- C. AWS Firewall Manager
- D. Gateway Load Balancer

Answer: D

Explanation:

D. Gateway Load Balancer  
1st requirement: Gateway Load Balancer helps you easily deploy, scale, and manage your third-party virtual appliances. 2nd requirement: Improve virtual appliance availability To ensure your virtual appliances are available and healthy, Gateway Load Balancer runs health checks on a configurable cadence. Ref link: <https://www.certyiq.com/exams/amazon/aws-certified-cloud-practitioner/view/36/>

### Question: 536

CertyIQ

Which of the following are customer responsibilities under the AWS shared responsibility model? (Choose two.)

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

Answer: BC

Explanation:

- B. Configuration of security groups
- C. Encryption of customer data on AWS

### Question: 537

CertyIQ

How can AWS enable a company to control expenses as an application's usage changes unpredictably?

- A. AWS will refund the cost difference if a customer moves to larger servers.
- B. The application can be built to scale up or down automatically as resources are needed
- C. Spot instances will automatically be used if the price is lower than on-demand instances.
- D. Amazon CloudWatch will automatically predict what resources are needed.

**Answer: B**

**Explanation:**

The application can be built to scale up or down automatically as resources are needed.

### Question: 538

CertyIQ

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

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

**Answer: C**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/classic-web-acl-sql-conditions.html>

### Question: 539

CertyIQ

Which activity is a customer responsibility in the AWS Cloud according to the AWS shared responsibility model?

- A. Ensuring network connectivity from AWS to the internet
- B. Patching and fixing flaws within the AWS Cloud infrastructure
- C. Ensuring the physical security of cloud data centers
- D. Ensuring Amazon EBS volumes are backed up

**Answer: D**

**Explanation:**

Ensuring Amazon EBS volumes are backed up.

### Question: 540

CertyIQ

Which of the following IT tasks does AWS perform to offload a company's IT resource management responsibilities? (Choose two.)

- A. Configuring operating system firewalls

- B. Setting up access controls for data
- C. Backing up databases
- D. Configuring database user accounts
- E. Installing operating systems

**Answer: CE**

**Explanation:**

C, E.

It just a another different way to ask question about Shared Responsibility Model.

**CertyIQ**

**Question: 541**

According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

**Answer: C**

**CertyIQ**

**Question: 542**

A user can increase operational efficiency in the AWS Cloud by:

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

**Answer: A**

**Explanation:**

Reference:

<https://www.ibexlabs.com/improve-operational-efficiency-via-digital-transformation-on-aws/>

**CertyIQ**

**Question: 543**

Which AWS service automatically handles application health monitoring?

- A. Amazon API Gateway
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. AWS Config

**Answer: B**

**Explanation:**

Reference:

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

CertyIQ

**Question: 544**

A company wants to test mobile apps on a variety of popular mobile devices.

Which AWS service should the company use to achieve this goal?

- A. AWS IoT Core
- B. AWS Wavelength
- C. AWS Device Farm
- D. AWS Direct Connect

**Answer: C**

**Explanation:**

AWS Device Farm

CertyIQ

**Question: 545**

A company needs to track the activity in its AWS accounts, and needs to know when an API call is made against its AWS resources.

Which AWS tool or service can be used to meet these requirements?

- A. Amazon CloudWatch
- B. Amazon Inspector
- C. AWS Cloud Trail
- D. AWS IAM

**Answer: C**

**Explanation:**

C. AWS CloudTrail increases visibility into your user and resource activity by:

- Recording AWS Management Console actions and API calls. You can identify which users and accounts called AWS.
- Simplify your compliance audits by automatically recording and storing event logs for actions made within your AWS account.
- Discover and troubleshoot security and operational issues by capturing a comprehensive history of changes that occurred in your AWS account.
- Allows you track and automatically respond to account activity threatening the security of your AWS resources

Reference:

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

**Question: 546**

CertyIQ

According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

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

**Answer: AD****Question: 547**

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:**

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/>

**Question: 548**

CertyIQ

A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud.

Which AWS service should the company use?

- A. AWS Snowball
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon Connect

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>

**Question: 549**

CertyIQ

A company wants to use a web browser to run, test, and debug AWS Lambda functions in an integrated development environment (IDE).

Which AWS service provides this functionality?

- A. AWS Cloud9
- B. Amazon CodeGuru
- C. AWS CodeDeploy
- D. AWS CodeCommit

**Answer: A**

**Explanation:**

A. AWS Cloud9

"AWS Cloud9 is a cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser. It combines the rich code editing features of an IDE such as code completion, hinting, and step-through debugging, with access to a full Linux server for running and storing code."

<https://aws.amazon.com/cloud9/faqs/>

### Question: 550

CertyIQ

A company hosts images in an Amazon S3 bucket for a public-facing website that is viewed by millions of users around the globe.

Which AWS service will deliver this content with reduced latency?

- A. AWS WAF
- B. Amazon CloudWatch
- C. Amazon CloudFront
- D. AWS CloudFormation

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/getting-started/hands-on/deliver-content-faster/>

### Question: 551

CertyIQ

An auditor needs to find out whether a specific AWS service is compliant with specific compliance frameworks.

Which AWS service will provide this information?

- A.AWS Artifact
- B.AWS Trusted Advisor
- C.Amazon GuardDuty
- D.AWS Certificate Manager (ACM)

**Answer: A**

**Explanation:**

AWS Artifact is an AWS service that provides on-demand access to AWS compliance documentation and reports, including compliance with specific compliance frameworks such as PCI DSS, HIPAA, and SOC. AWS customers can use AWS Artifact to download audit reports and other compliance-related documents that are relevant to their AWS resources and workloads.

### Question: 552

CertyIQ

A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet.

What should the company use to accomplish this goal?

- A. VPN connection
- B. Internet gateway
- C. VPC endpoint
- D. NAT gateway

**Answer:** C

**Explanation:**

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-instance-access-s3-bucket/>

### Question: 553

CertyIQ

Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.
- D. A single subnet can span multiple Availability Zones.

**Answer:** C

**Explanation:**

Reference:

<https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

### Question: 554

CertyIQ

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

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/premiumsupport/technology/personal-health-dashboard/>  
" target="\_blank" style="word-break: break-all;">>

AWS Personal Health Dashboard provides alerts and guidance for AWS events that might affect your environment. While the [Service Health Dashboard](#) shows the general status of AWS services, the Personal Health Dashboard provides proactive and transparent notifications about your specific AWS environment.

All AWS customers can access the Personal Health Dashboard. The Personal Health Dashboard shows recent events to help you manage active events, and shows proactive notifications so that you can plan for scheduled activities. Use these alerts to get notified about changes that can affect your AWS resources, and then follow the guidance to diagnose and resolve issues.

**CertyIQ****Question: 555**

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 GatewayAWS 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.

**CertyIQ****Question: 556**

A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds.

Which AWS service will meet these requirements?

- A. Amazon CloudFront
- B. AWS Global Accelerator
- C. AWS Direct Connect

**Answer: A**

**Explanation:**

Reference:

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

CertyIQ

**Question: 557**

The AWS global infrastructure consists of Regions, Availability Zones, and what else?

- A. VPCs
- B. Data centers
- C. Dark fiber network links
- D. Edge locations

**Answer: B**

**Explanation:**

Reference:

<https://www.inqdo.com/aws-explained-global-infrastructure/?lang=en>

CertyIQ

**Question: 558**

Which AWS Trusted Advisor feature is available exclusively to users with AWS Business Support or AWS Enterprise Support?

- A. Notification setup
- B. Refresh checks
- C. AWS Support API
- D. Action links

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

**Question: 559**

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

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

**Answer: D**

**Explanation:**

D. Global footprint. <https://aws.amazon.com/about-aws/global-infrastructure/>

AWS has the largest global infrastructure footprint of any provider, and this footprint is constantly increasing at a significant rate. When deploying your applications and workloads to the cloud, you have the flexibility in selecting a technology infrastructure that is closest to your primary target of users.

**Question: 560**

**CertyIQ**

Which of the following contribute to total cost of ownership of a workload running in the AWS Cloud? (Choose two.)

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

**Answer: CE**

**Explanation:**

- C. Storage costs.
- E. Network costs.

**Question: 561**

**CertyIQ**

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

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

**Answer: B**

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

## IAM role management

### Q: What is an IAM role?

An IAM role is an IAM entity that defines a set of **permissions** for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.

### Q: What problems do IAM roles solve?

IAM roles allow you to delegate access with defined permissions to trusted entities without having to share long-term access keys. You can use IAM roles to delegate access to IAM users managed within your account, to IAM users under a different AWS account, or to an AWS service such as EC2.

### Q: How do I get started with IAM roles?

You create a role in a way similar to how you create a user—name the role and attach a policy to it. For details, see [Creating IAM Roles](#).

### Question: 562

CertyIQ

A company previously lost data that was stored in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration.

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

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

### Answer: C

### Explanation:

#### Reference:

<https://docs.aws.amazon.com/prescriptive-guidance/latest/backup-recovery/backup-recovery.pdf>  
(35)

### Question: 563

CertyIQ

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

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

### Answer: B

### Explanation:

Correct answer is B:Regions.

**Question: 564****CertyIQ**

A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS.

Which AWS service or feature should the officer use?

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

**Answer: B****Explanation:**

Reference:

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

**Question: 565****CertyIQ**

Which of the following can be used to describe infrastructure as code in the AWS Cloud?

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

**Answer: B****Explanation:**

Reference:

<https://containersonaws.com/introduction/infrastructure-as-code/#:~:text=Infrastructure%20as%20code%20is%20the,as%20code%20is%20AWS%20CloudFormation>

**Question: 566****CertyIQ**

Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Choose two.)

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

**Answer: AD**

**Explanation:**

Reference:

<https://www.missioncloud.com/blog/resource-the-advantages-of-running-sql-server-on-aws>

**CertyIQ****Question: 567**

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

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

**Answer: A****Explanation:**

Reference:

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

**CertyIQ****Question: 568**

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

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

**Answer: A****Explanation:**

Reference:

<https://www.stratoscale.com/blog/cloud/build-secure-tunnel-on-prem-data-center-amazon-cloud/#:~:text=AWS%20Direct%20Connect%20allows%20you,that%20provide%20connectivity%20to%20AWS>

**CertyIQ****Question: 569**

A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption.

Which AWS Support plan meets these requirements at the LOWEST cost?

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

D. Enterprise

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

**Question: 570**

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

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

**Answer: B**

**Explanation:**

<https://www.betsol.com/blog/how-to-make-high-availability-web-applications-on-amazon-web-services/>

CertyIQ

**Question: 571**

A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases.

Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

- A.Elastic Load Balancing
- B.Amazon EC2 Auto Scaling
- C.AWS App2Container (A2C)
- D.AWS Systems Manager

**Answer: B**

**Explanation:**

Amazon EC2 Auto Scaling

CertyIQ

**Question: 572**

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

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

**Answer: B**

**Explanation:**

Reference:

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

CertyIQ

**Question: 573**

Which AWS services help to improve application performance by reducing latency while accessing content globally? (Choose two.)

- A. Amazon CloudFront
- B. AWS VPN
- C. AWS Direct Connect
- D. AWS Global Accelerator
- E. Amazon S3 Glacier

**Answer: AD**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/networking-and-content-delivery/achieve-up-to-60-better-performance-for-internet-traffic-with-aws-global-accelerator/>

CertyIQ

**Question: 574**

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

- A. Amazon EMR
- B. Amazon DynamoDB
- C. Amazon Redshift
- D. Amazon Athena

**Answer: D**

**Explanation:**

Reference:

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

CertyIQ

**Question: 575**

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

- A. Closing an AWS account
- B. Creating a log file

- C. Modifying IAM user permissions
- D. Deleting IAM users

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

**CertyIQ**

### Question: 576

Which AWS service does AWS Snowball Edge natively support?

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

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/storage/building-a-linux-edge-computing-solution-with-aws-snowball-edge-and-amazon-ec2/>

**CertyIQ**

### Question: 577

A company is building a new archiving system on AWS that will store terabytes of data. The company will NOT retrieve the data often.

Which Amazon S3 storage class will MINIMIZE the cost of the system?

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

**Answer: B**

**Explanation:**

Answer B

Glacier S3 Standard - Infrequent Access \* - For long lived but infrequently accessed data that needs millisecond access All Storage / Month \$0.0125 per GB S3 One Zone - Infrequent Access \* - For re-createable infrequently accessed data that needs millisecond access All Storage / Month \$0.01 per GB S3 Glacier \*\* - For long-term backups and archives with retrieval option from 1 minute to 12 hours All Storage / Month \$0.004 per GB

**Question: 578**

CertyIQ

Which type of AWS infrastructure deployment puts AWS compute, storage, database, and other select services closer to end users to run latency-sensitive applications?

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/about-aws/global-infrastructure/localzones/features/#:~:text=AWS%20Local%20Zones%20are%20a,millisecond%20latency%20to%20end-users>

**Question: 579**

CertyIQ

Which AWS service enables users to monitor for specific phrases, values, or patterns and set up alarms based on metrics?

- A. AWS IQ
- B. Amazon Comprehend
- C. AWS CloudTrail
- D. Amazon CloudWatch Logs

**Answer: D****Explanation:**

Reference:

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

**Question: 580**

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:**

Reference:

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

### Question: 581

CertyIQ

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:**

Correct answer is D: Global reach.

### Question: 582

CertyIQ

A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM).
- B. Contact the dedicated AWS Concierge Support team.
- C. Open a business-critical system down support case.
- D. Open a production system down support case.

**Answer: D**

**Explanation:**

D. Open a production system down support case.

### Question: 583

CertyIQ

A company is looking for a way to encrypt data stored on Amazon S3.

Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

**Answer: D**

**Explanation:**

Reference:

<https://www.nakivo.com/blog/amazon-s3-encryption-configuration-overview/>

### Question: 584

CertyIQ

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:

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/dedicated-hosts-overview.html>

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## Dedicated Hosts

[PDF](#) | [Kindle](#) | [RSS](#)

An Amazon EC2 Dedicated Host is a physical server with EC2 instance capacity fully dedicated to your use. Dedicated Hosts allow you to use your existing per-socket, per-core, or per-VM software licenses, including Windows Server, Microsoft SQL Server, SUSE, and Linux Enterprise Server.

For information about the configurations supported on Dedicated Hosts, see [Dedicated Hosts Configuration](#).

### Question: 585

CertyIQ

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

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

**Answer: B**

**Explanation:**

Answer is B, the word is lowering cost, this involve taking advantage of the volume discount offered by AWS

**Question: 586**

CertyIQ

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:**

Reference:

<https://aws.amazon.com/ec2/autoscaling/faqs/>

**Question: 587**

CertyIQ

An application deployed in the AWS Cloud has unpredictable usage patterns and is running workloads that cannot be interrupted.

What is the MOST cost-effective Amazon EC2 pricing option for this application?

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

**Answer: D**

**Explanation:**

Option A - Dedicated instances are not a best cost effective option for AWS and it is not A. Option B - Spot instance is not an option because it says nonstop instance.

Option C - It says "irregular consumption patterns" which means that CPU or RAM can be changed over time. If we buy reserved instance, we are unable to change it (It is not saying convertible reserved instance) and answer is not C.

Option D - It is most likely true answer. But, question should be much clearer. E.g., I bought a t2.micro instance on demand in AWS, and I used it for non-stop workloads. After some time period, my consumption pattern is changed and I can easily run a new instance and manage my workload.

Reference:

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

**Question: 588****CertyIQ**

A company is migrating its on-premises data center to AWS and wants to provide NFS access to its Linux clients. Which AWS service should the company use?

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

**Answer: B****Explanation:**

Reference:

<https://aws.amazon.com/blogs/storage/transferring-files-from-on-premises-to-aws-and-back-without-leaving-your-vpc-using-aws-datasync/>

**Question: 589****CertyIQ**

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

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

**Answer: A****Explanation:**

Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/waf-rule-statement-type-sqli-match.html>

**Question: 590****CertyIQ**

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

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

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/cloudtrail/#:~:text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure>

### Question: 591

CertyIQ

A company has a MySQL database running on a single Amazon EC2 instance. The company now requires higher availability in the event of an outage.

Which set of tasks would meet this requirement?

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

**Answer: C**

**Explanation:**

Migrate to Amazon RDS and enable Multi-AZ.

### Question: 592

CertyIQ

A company must process a large amount of data from social media accounts by making graphical queries with high throughput.

Which AWS service will help the company design a cloud architecture that will meet these requirements?

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

**Answer: C**

**Explanation:**

Reference:

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

### Question: 593

CertyIQ

Which databases are available on Amazon RDS? (Choose two.)

- A. Sybase
- B. Microsoft SQL Server
- C. IBM Db2
- D. MongoDB
- E. PostgreSQL

**Answer: BE****Explanation:**

B and E as per the link which is : How it works Amazon Relational Database Service (Amazon RDS) is a collection of managed services that makes it simple to set up, operate, and scale databases in the cloud. Choose from seven popular engines — Amazon Aurora with MySQL compatibility, Amazon Aurora with PostgreSQL compatibility, MySQL, MariaDB, PostgreSQL, Oracle, and SQL Server — and deploy on-premises with Amazon RDS on AWS Outposts. <https://aws.amazon.com/rds/>

Reference:

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

**CertyIQ****Question: 594**

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

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/the-aws-shared-responsibility-model-and-gdpr/>

**CertyIQ****Question: 595**

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

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

**Answer: A****Explanation:**

Reference:

<https://aws.amazon.com/big-data/what-is-hbase/#:~:text=HBase%20and%20Hadoop%20on%20AWS,across%20dynamically%20scalable%20EC2%20instances>

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## What is HBase?

Apache HBase is an open-source, NoSQL, distributed big data store. It enables random, strictly consistent, real-time access to petabytes of data. HBase is very effective for handling large, sparse datasets.

HBase integrates seamlessly with Apache Hadoop and the Hadoop ecosystem and runs on top of the Hadoop Distributed File System (HDFS) or Amazon S3 using Amazon Elastic MapReduce (EMR) file system, or EMRFS. HBase serves as a direct input and output to the Apache MapReduce framework for Hadoop, and works with Apache Phoenix to enable SQL-like queries over HBase tables.

### Question: 596

CertyIQ

A company wants its Amazon EC2 instances to share the same geographic area but use multiple independent underlying power sources.

Which solution achieves this goal?

- A. Use EC2 instances in a single Availability Zone.
- B. Use EC2 instances in multiple AWS Regions.
- C. Use EC2 instances in multiple Availability Zones in the same AWS Region.
- D. Use EC2 instances in the same edge location and the same AWS Region.

### Answer: C

#### Explanation:

Use EC2 instances in multiple Availability Zones in the same AWS Region.

### Question: 597

CertyIQ

A company spends several months upgrading its on-premises infrastructure every few years. The company wants to reduce infrastructure procurement time by migrating to the AWS Cloud.

What is the main benefit of migrating to the AWS Cloud for this use case?

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

### Answer: B

#### Explanation:

B is correct. By using cloud computing, you can achieve a lower variable cost than you can get on your own.

Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices. Pay as you go means on demand

### Question: 598

CertyIQ

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

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

### Answer: B

#### Explanation:

Amazon RDS creates automated backups of your DB instance during the backup window of your DB instance. Amazon RDS saves the automated backups of your DB instance according to the backup retention period that you specify. "Amazon RDS creates automated backups" - it's clear that AWS is responsible for automatic backups "Amazon ... saves ... according to the backup retention period that YOU SPECIFY" It seems to me that it's user responsibility to configure retention period (scheduling)

### Question: 599

CertyIQ

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

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

### Answer: A

#### Explanation:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-windows-identify-stop-reboot/>

An instance can be stopped, rebooted, or terminated through AWS ..... If the event occurred in the last 90 days, then you can get more information about the event using AWS CloudTrail logs

### Question: 600

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.

**CertyIQ**

**Question: 601**

Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

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

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 602**

Which security-related task is the responsibility of the customer in the AWS Cloud?

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

**Answer: D**

**Explanation:**

Reference:

<https://www.missioncloud.com/blog/aws-security-make-sure-you-share-the-responsibility>

**CertyIQ**

**Question: 603**

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

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

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/database/how-to-extract-transform-and-load-data-for-analytic-processing-using-aws-glue-part-2/>

**CertyIQ**

**Question: 604**

A company recently migrated to AWS and wants to enable intelligent threat protection and continuous monitoring across all of its AWS accounts.

Which AWS service should the company use to achieve this goal?

- A. Amazon Macie
- B. Amazon GuardDuty
- C. AWS Shield
- D. Amazon Detective

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 605**

A user can optimize Amazon EC2 costs by performing which of the following tasks? (Choose two.)

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

**Answer: AD**

**Explanation:**

While technically you could prevent users from creating new EC2 instances, it kinda defeats the purpose of having a service in the first place! It's akin to saying that to reduce your car's gas consumption is to not drive. It's technically true but not something that is practical. AWS budgets cannot terminate or stop all EC2 instances when the resource spending limit is hit

**CertyIQ**

**Question: 606**

Which AWS services or features help decrease network latency for a globally dispersed user base? (Choose two.)

- A. Amazon VPC

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

**Answer: CE**

**Explanation:**

CloudFront and Global Accelerator are global services which reduce latency for users

### Question: 607

CertyIQ

AWS Trusted Advisor can monitor and provide advice on what characteristics of an AWS account? (Choose two.)

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

**Answer: AD**

**Explanation:**

AWS Trusted Advisor is a service that continuously analyzes your AWS accounts and provides recommendations to help you to follow AWS best practices and AWS Well-Architected guidelines. Trusted Advisor implements a series of checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas.

So A and D are correct

### Question: 608

CertyIQ

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

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

**Answer: A**

**Explanation:**

Answer is "A", Trusted Advisor.

Security Groups - Unrestricted Access

Checks security groups for rules that allow unrestricted access to a resource.

Reference:

**Question: 609**

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

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

**Answer: A**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Internet\\_Gateway.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Internet_Gateway.html)

**Question: 610**

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

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

**Answer: D**

**Explanation:**

Reference:

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

**Question: 611**

When using Amazon RDS, what is the customer responsible for?

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

**Answer: C**

**Explanation:**

Use security groups to control what IP addresses or Amazon EC2 instances can connect to your databases on a DB instance. When you first create a DB instance, its firewall prevents any database access except through

rules specified by an associated security group.

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html>

### Question: 612

CertyIQ

Which AWS network services or features allow CIDR block notation when providing an IP address range? (Choose two.)

- A.Security groups
- B.Amazon Machine Image (AMI)
- C.Network access control list (network ACL)
- D.AWS Budgets
- E.Amazon Elastic Block Store (Amazon EBS)

#### Answer: AC

#### Explanation:

The AWS network services or features that allow CIDR block notation when providing an IP address range are:  
A. Security groups  
C. Network access control list (network ACL)

### Question: 613

CertyIQ

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

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

#### Answer: AD

#### Explanation:

A is one obvious answer, the other is D, see here:

<https://aws.amazon.com/managed-services/> "AWS Managed Services (AMS) helps you operate your AWS infrastructure more efficiently and securely. " Yes, migration involves security but what overarching principle houses security? Managed Services. The question isn't about security, it's about expenses and how to lower them overall.

### Question: 614

CertyIQ

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

- A. Minimize upfront design
- B. Loose coupling

- C. Disposable resources
- D. Server design and concurrency
- E. Minimal viable product

**Answer: BD**

**Explanation:**

Disposable Resources - example) At the small end of the size scale is Lambda, event-driven programming where a Lambda function is the compute unit and cannot run for more than 15 minutes. Every Lambda invocation is disposable. example 2) The classic disposable resource on AWS is an EC2 instance that is part of an AutoScaling Group (ASG). The ASG has instructions for creating a new EC2 and rules about creating new and destroying existing instances. These are nothing to do with Optimizing workloads. AWS concurrency - Reserved concurrency – Reserved concurrency guarantees the maximum number of concurrent instances for the function. this is related to computing power.

<https://docs.aws.amazon.com/lambda/latest/dg/configuration-concurrency.html>

### Question: 615

**CertyIQ**

To optimize costs and resource usage, a company needs to monitor the operational health of its entire system of AWS Cloud resources.

Which AWS service will meet these requirements?

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

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/aws-cost-management/aws-cost-optimization/monitor-track-and-analyze/>

### Question: 616

**CertyIQ**

If a user has an AWS account with an Enterprise-level AWS Support plan, who is the primary point of contact for billing or account inquiries?

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

**Answer: B**

**Explanation:**

Correct answer is B:AWS Concierge Support team.

**Question: 617**

CertyIQ

Which AWS service will track user activity on AWS?

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/cloudtrail/#:~:text=Track%20user%20activity%20and%20API%20usage&text=AWS%20CloudTrail%20is%20a%20service,actions%20across%20your%20AWS%20infrastructure>

**Question: 618**

CertyIQ

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help? (Choose two.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon AppStream 2.0
- D. Amazon ElastiCache
- E. Amazon CloudFront

**Answer: DE****Explanation:**

Reference:

<https://aws.amazon.com/blogs/database/latency-reduction-of-hybrid-architectures-with-amazon-elasticsearch/>

**Question: 619**

CertyIQ

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

- A. Amazon Redshift
- B. Amazon Elasticsearch Service (Amazon ES)
- C. Amazon QuickSight
- D. Amazon Athena

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/getting-started/hands-on/create-business-intelligence-dashboards-using-amazon-quicksight/>

### Question: 620

CertyIQ

A company needs to transfer a large volume of data from an on-premises data center to the AWS Cloud. The company's internet connectivity is slow and unreliable.

Which AWS service can facilitate this data transfer?

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

### Answer: B

#### Explanation:

Reference:

<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/services-costs/#:~:text=Description%3ASnowball%20is%20a%20petabyte,transfer%20times%2C%20and%20security%20concerns>

## AWS Snowball      Amazon S3

**Description:** Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of the AWS cloud. Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns.

**How Pricing Works:** Snowball pricing has four main cost components: (1) a service fee for each job you run, (2) data transfer fees from Amazon S3, (3) the shipping costs to transport a Snowball appliance to and from your address; and (4) the number of days you keep Snowball onsite. For details on each cost component, see [AWS Snowball Pricing](#).

**Example:** Let's say you want to import 10 TB into the US East Region. A 50 TB Snowball device would cost \$200 for the first 10 days, and \$15 days thereafter. So, the Snowball import cost for 10 TB would be a onetime \$200 (assuming 10 days or fewer). Data transfer-in would be \$0.00 (free). Additional charges including S3 requests made during the import and monthly charges for S3 Standard will apply. These charges will vary based on the number of objects and Region used. The shipping cost would be variable depending on your location.

### Question: 621

CertyIQ

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

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

**Answer: B**

**Explanation:**

Reference:

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

### Question: 622

CertyIQ

A company has multiple departments. Each department uses its own AWS account. Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

- A. Amazon Forecast
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Marketplace

**Answer: C**

**Explanation:**

Reference:

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

### Question: 623

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**

### Question: 624

CertyIQ

A large company has a workload that requires hardware to remain on premises. The company wants to use the same management and control plane services that it currently uses on AWS. Which AWS service should the company use to meet these requirements?

- A. AWS Device Farm
- B. AWS Fargate
- C. AWS Outposts

## D. AWS Ground Station

**Answer: C**

**Explanation:**

Reference:

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

CertyIQ

## Question: 625

Which tasks require using AWS account root user credentials? (Choose two.)

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

**Answer: CE**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/general/latest/gr/root-vs-iam.html>

CertyIQ

## Question: 626

Which of the following are advantages of using Amazon EC2 instances over traditional on-premises servers? (Choose two.)

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

**Answer: AD**

CertyIQ

## Question: 627

To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access.

Which AWS service will support this requirement?

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

**Answer: D**

**Explanation:**

Reference:

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

### Question: 628

CertyIQ

What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

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

**Answer: AD**

**Explanation:**

- A. Less staff time is required to deploy new workloads.
- D. Increased productivity for application development teams.

### Question: 629

CertyIQ

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

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

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/s3/storage-classes/#:~:text=S3%20Glacier%20Deep%20Archive%20is,or%20twice%20in%20a%20year>

### Question: 630

CertyIQ

Which of the following technologies provides a secure network connection from on-premises to AWS?

- A. Virtual Private Network
- B. AWS Snowball
- C. Amazon Virtual Private Cloud (Amazon VPC)
- D. AWS Mobile Hub

**Answer: A**

**Explanation:**

Correct answer is A:Virtual Private Network.

**CertyIQ**

**Question: 631**

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

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

**Answer: AC**

**Explanation:**

- A. Physical storage hardware.
- C. Network infrastructure of data center

**CertyIQ**

**Question: 632**

A company uses Amazon EC2 infrastructure to host steady-state workloads and needs to achieve significant cost savings.

Which EC2 instance pricing model should the company select?

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

**Answer: A**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 633**

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

- A. Keep static data closer to compute resources.
- B. Provision resources for peak capacity.
- C. Design for automated recovery from failure.

D. Use tightly coupled components.

**Answer: C**

**Explanation:**

Refer to <https://wa.aws.amazon.com/wat.pillar.reliability.en.html>

Automatically recover from failure: By monitoring a workload for key performance indicators (KPIs), you can trigger automation when a threshold is breached. These KPIs should be a measure of business value, not of the technical aspects of the operation of the service. This allows for automatic notification and tracking of failures, and for automated recovery processes that work around or repair the failure. With more sophisticated automation, it's possible to anticipate and remediate failures before they occur.

**CertyIQ**

**Question: 634**

What does the AWS Cloud provide to increase the speed and agility of execution for customers? (Choose two.)

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

**Answer: AB**

**Explanation:**

Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often end up either sitting on expensive idle resources or dealing with limited capacity. With cloud computing, these problems go away. You can access as much or as little capacity as you need, and scale up and down as required with only a few minutes' notice. • Increase speed and agility – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.

**CertyIQ**

**Question: 635**

A company believes an unauthorized user copied data from an Amazon S3 bucket to their own account. Which AWS service will record the actions taken by the user?

- A. Amazon CloudWatch
- B. AWS CloudTrail
- C. AWS Infrastructure Event Management
- D. AWS Systems Manager

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/security-best-practices.html>

CertyIQ

### Question: 636

Which AWS service provides a simple way to set up a new multi-account AWS environment and govern it at scale?

- A. AWS Trusted Advisor
- B. AWS Security Hub
- C. AWS Control Tower
- D. AWS Resource Access Manager

Answer: C

Explanation:

Reference:

<https://aws.amazon.com/about-aws/whats-new/2020/04/you-can-now-use-aws-control-tower-to-set-up-new-multi-account-aws-environments-in-aws-organizations/>

CertyIQ

### Question: 637

A system administrator wants to allow IT department users to access the AWS CLI.

What is the MINIMUM credential that is required to achieve this goal?

- A. Multi-factor authentication (MFA) code
- B. Key pair
- C. IAM user name and password
- D. AWS access keys

Answer: D

Explanation:

Although a user requires a password to access an AWS service's console, that same credential requires an access key pair to perform the same operations using the AWS CLI.

AWS access keys

<https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html>

CertyIQ

### Question: 638

How can moving to the AWS Cloud help users reduce the time dedicated to operating system patching? (Choose two.)

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

E. Users can take advantage of AWS Systems Manager features.

**Answer: AE**

**Explanation:**

A. Users can take advantage of managed services on AWS.

E. Users can take advantage of AWS Systems Manager features.

**CertyIQ**

**Question: 639**

A user has an AWS Business Support plan and requires detailed billing information. Which AWS resource will help?

- A. AWS Concierge Support
- B. AWS Service Catalog
- C. AWS Budgets
- D. AWS Cost and Usage Report

**Answer: D**

**Explanation:**

Concierge support is not available at business support plan, it is only available at enterprise plan.

Answer is D, Cost and usage reports

**CertyIQ**

**Question: 640**

A company has enabled billing alerts in its AWS account and wants to receive a notification through Amazon Simple Notification Service (Amazon SNS) whenever its monthly bill exceeds a set amount. Which AWS service or tool should the company use to achieve this?

- A. Amazon CloudWatch
- B. Cost Explorer
- C. AWS Cost and Usage Report
- D. AWS Pricing Calculator

**Answer: A**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor\\_estimated\\_charges\\_with\\_cloudwatch.html](https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/monitor_estimated_charges_with_cloudwatch.html)

**CertyIQ**

**Question: 641**

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

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

**Answer: B**

**Explanation:**

It's called 'Pay as you go' -

you should only provision resources for what you need and not buy out a part of a data center for that! Yes, you can get additional discounts reserving upfront but nowhere does it state how many apps are going to be.

Answer is B

**CertyIQ**

### Question: 642

According to the AWS shared responsibility model, which task is the responsibility of AWS for workloads running on Amazon EC2?

- A. Updating the physical hardware
- B. Updating the operating system
- C. Updating the database engine
- D. Updating the user data

**Answer: A**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 643

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

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

**Answer: C**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-storage-optimization/optimizing-amazon-ebs-storage.html>

**Question: 644**

CertyIQ

Which AWS service will help a company identify the user who deleted an Amazon EC2 instance yesterday?

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

**Answer: C****Explanation:**

Reference:

<https://aws.amazon.com/cloudtrail/>**Question: 645**

CertyIQ

Which AWS service should a cloud engineer use to view API calls to AWS services?

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

**Answer: B****Explanation:**

You can use AWS CloudTrail data to view and track API calls made to your account using the following:  
CloudTrail Event historyCloudTrail LakeAmazon CloudWatch LogsAmazon Athena queriesAmazon Simple Storage Service (Amazon S3) archived log files CloudTrail is a web service that records AWS API calls for your AWS account and delivers log files to an Amazon S3 bucket. The recorded information includes the identity of the user, the start time of the AWS API call, the source IP address, the request parameters, and the response elements returned by the service. Ref link: <https://aws.amazon.com/premiumsupport/knowledge-center/cloudtrail-track-api/#:~:text=You%20can%20use%20AWS%20CloudTrail,CloudTrail%20Event%20history>

**Question: 646**

CertyIQ

A company must keep records of all resource changes that are made through the AWS Management Console and AWS APIs.

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

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

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ****Question: 647**

A company requires an isolated environment within AWS for security purposes. Which action can be taken to accomplish this?

- A. Create a separate Availability Zone to host the resources.
- B. Create a separate VPC to host the resources.
- C. Create a placement group to host the resources.
- D. Create an AWS Direct Connect connection between the company and AWS.

**Answer: B****Explanation:**

Network isolation A virtual private cloud (VPC) is a virtual network in your own logically isolated area in the AWS Cloud. Use separate VPCs to isolate infrastructure by workload or organizational entity. A subnet is a range of IP addresses in a VPC. When you launch an instance, you launch it into a subnet in your VPC. Use subnets to isolate the tiers of your application (for example, web, application, and database) within a single VPC. Use private subnets for your instances if they should not be accessed directly from the internet. To call the Amazon EC2 API from your VPC without sending traffic over the public internet, use AWS PrivateLink.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/infrastructure-security.html>

**CertyIQ****Question: 648**

A company needs to monitor and forecast AWS costs and usage. The company also must set event-driven alert notifications that occur if spending limits are exceeded.

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

- A. AWS Budgets
- B. Amazon CloudWatch
- C. AWS Config
- D. AWS Service Catalog

**Answer: A****Explanation:**

Reference:

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

**CertyIQ****Question: 649**

Which of the following is a best practice for creating policies for IAM users?

- A. Start with a large set of permissions and remove the permissions that are not required.
- B. Use only Amazon managed policies.
- C. Start with a minimum set of permissions and grant additional permissions as necessary.
- D. Attach policies directly to each user individually.

**Answer: C**

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

## Grant least privilege

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

Start with a minimum set of permissions and grant additional permissions as necessary. Doing so is more secure than starting with permissions that are too lenient and then trying to tighten them later.

**Question: 650**

**CertyIQ**

A user with an AWS Basic Support plan has determined that illegal activities are being run on their AWS resources. What is the recommended method for the user to report the activity to AWS?

- A. Contact the AWS Concierge Support team.
- B. Contact an AWS technical account manager.
- C. Contact the AWS Abuse team.
- D. Contact the AWS Support team.

**Answer: C**

**Explanation:**

Correct answer is C:Contact the AWS Abuse team.

**Question: 651**

**CertyIQ**

AWS can relieve a company's IT staff of which of the following IT tasks? (Choose two.)

- A. Patching database software
- B. Storage capacity planning
- C. Creating database schemas
- D. Setting up access controls for data
- E. Writing application code

**Answer: AB**

**Explanation:**

A & B. One of AWS advantages - users do not need to guess capacity or plan it

### Question: 652

CertyIQ

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

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

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/devops/aws-config-checking-for-compliance-with-new-managed-rule-options/>

### Question: 653

CertyIQ

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

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

**Answer: CE**

### Question: 654

CertyIQ

Which of the following security-related aspects of running an Amazon Elastic Compute Cloud (Amazon EC2) instance is the responsibility of AWS?

- A. Security of private keys
- B. Hypervisor software updates

- C. Security updates to software running on the instance
- D. Policies controlling instance access

**Answer: B**

### Question: 655

CertyIQ

Which AWS service aggregates, organizes, and prioritizes security alerts and findings from multiple AWS services?

- A. Amazon Detective
- B. Amazon Inspector
- C. Amazon Macie
- D. AWS Security Hub

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/security-hub/?aws-security-hub-blogs.sort-by=item.additionalFields.createdDate&aws-security-hub-blogs.sort-order=desc>

### Question: 656

CertyIQ

A developer has an AWS account and needs access to another account's test database. Which AWS service or feature can the developer use to gain access to the test database?

- A. Amazon Macie
- B. Security groups
- C. IAM roles
- D. AWS Trusted Advisor

**Answer: C**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial\\_cross-account-with-roles.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_cross-account-with-roles.html)

### Question: 657

CertyIQ

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

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

**Answer: A**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/apn/migrating-applications-from-monolithic-to-microservice-on-aws/>

### Question: 658

CertyIQ

Which of the following is a benefit of using an AWS managed service?

- A. Reduced operational overhead for a company's IT staff
- B. Increased fixed costs that can be predicted by a finance team
- C. Removal of the need to have a backup strategy
- D. Removal of the need to follow compliance standards

**Answer: A**

**Explanation:**

AWS Managed Services (AMS) helps you adopt AWS at scale and operate more efficiently and securely. We leverage standard AWS services and offer guidance and execution of operational best practices with specialized automations, skills, and experience that are contextual to your environment and applications. AMS provides proactive, preventative, and detective capabilities that raise the operational bar and help reduce risk without constraining agility, allowing you to focus on innovation. AMS extends your team with operational capabilities including monitoring, incident detection and management, security, patch, backup, and cost optimization.

### Question: 659

CertyIQ

Which VPC component provides a layer of security at the subnet level?

- A. Security groups
- B. Network ACLs
- C. NAT gateways
- D. Route tables

**Answer: B**

**Explanation:**

B- This is from the AWS Skillbuilder site designed to educate (are these fake answers put out here on purpose? This is crazy-see below Network access control lists (ACLs) A network access control list (ACL) is a virtual firewall that controls inbound and outbound traffic at the subnet level.

### Question: 660

CertyIQ

Which benefit is available for Convertible Reserved Instances but NOT Standard Reserved Instances?

- A. The instances can be exchanged for instances of a different instance size.

- B. The instances can be exchanged for instances of a different instance family.
- C. The instances can be changed to a different Availability Zone.
- D. The instances can be changed to a different AWS Region.

**Answer: B**

**Explanation:**

We're introducing a new RI type called Convertible RIs. Convertible RIs provide customers with additional RI flexibility for still a very significant discount (~45% on average). With Convertible RIs, customers now have the option at any time to change the instance family, OS, or tenancy associated with their RI. Via the EC2 Console or APIs, customers simply indicate what change they want to make, and the change is made as long as the exchange is for an equal or greater spend on the new Convertible RIs.

### Question: 661

CertyIQ

Which of the following enables users to leverage the power of AWS services programmatically?

- A. AWS Command Line Interface (AWS CLI)
- B. AWS Trusted Advisor
- C. AWS CodeDeploy
- D. AWS Management Console

**Answer: A**

**Explanation:**

A is the answer. You cannot possibly do any programming from the Management console

### Question: 662

CertyIQ

Which security credentials are required to run commands by using the AWS Command Line Interface (AWS CLI)?

- A. Access Key ID and Secret Access Key
- B. AWS root user email and password
- C. Amazon Elastic Compute Cloud (Amazon EC2) key pairs
- D. AWS Identity and Access Management (IAM) user name and password

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html>

### Question: 663

CertyIQ

Which are customer responsibilities when using Amazon EC2? (Choose two.)

- A. Underlying hardware maintenance

- B. File-system-level encryption
- C. Guest operating system firewall configuration
- D. Hypervisor-level software patching
- E. Physical security at data center facilities

**Answer: BC**

**Explanation:**

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

### Question: 664

CertyIQ

A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application.  
Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

- A. AWS CodeDeploy
- B. AWS Resource Access Manager
- C. AWS Elastic Beanstalk
- D. AWS CloudFormation

**Answer: C**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html>

### Question: 665

CertyIQ

A company wants to route its traffic directly and privately to a VPC without going over the public internet.  
Which connectivity option provides this capability?

- A. AWS VPN
- B. AWS Direct Connect
- C. VPC NAT gateway
- D. VPC internet gateway

**Answer: B**

**Explanation:**

AWS Direct Connect is the only private connectivity channel to connect to VPC

### Question: 666

CertyIQ

A company wants to build an application for a new line of business.  
According to the AWS Well-Architected Framework, what design principles should be implemented? (Choose two.)

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

**Answer: CE**

**Explanation:**

C & E is the correct answer.

D is so wrong. We don't move any hardware devices to cloud. Cloud provides a virtual data center for us, with a lot of network services for customer's varied needs. But customers don't move their network devices to AWS. C is a bit confusing as I was going through some documentations, Monolithic deployments are related to containers and microservices but not with well architected framework. Loose coupling is definitely a principle of the framework, but the wording of question throws you off here because it mentions monolithic deployments and not monolithic applications - two different concept.

### Question: 667

CertyIQ

A company wants to forecast its AWS Cloud costs for the upcoming year by analyzing its past AWS Cloud spending trends.

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

- A. AWS Control Tower
- B. Cost Explorer
- C. AWS OpsWorks
- D. AWS CloudFormation

**Answer: B**

**Explanation:**

Reference:

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

### Question: 668

CertyIQ

Which AWS service or feature can help a company determine if it has Amazon S3 buckets that are publicly available?

- A. AWS Service Health Dashboard
- B. Amazon CloudWatch Logs
- C. AWS Trusted Advisor
- D. AWS Service Catalog

**Answer: C**

**Explanation:**

Reference:

[https://d1.awsstatic.com/product-marketing/S3/Amazon\\_S3\\_Security\\_eBook\\_2020.pdf](https://d1.awsstatic.com/product-marketing/S3/Amazon_S3_Security_eBook_2020.pdf)

### Question: 669

CertyIQ

A company's newly launched application is gaining in popularity very quickly. To improve customer service, the company wants to set up a phone number to manage the increasing volume of calls received by the company's support staff.

Which AWS service should be used to meet this requirement?

- A. Amazon Connect
- B. Amazon CloudFront
- C. Amazon DirectConnect
- D. AWS Trusted Advisor

**Answer: A**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/connect/latest/adminguide/contact-center-phone-number.html>

### Question: 670

CertyIQ

Which credentials used to sign in to the AWS Management Console meet security best practices? (Choose two.)

- A. An access key
- B. Multi-factor authentication
- C. X.509 certificates
- D. A secret key
- E. User name and password

**Answer: BE**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/getting-started-follow-security-best-practices-as-you-configure-your-aws-resources/>

### Question: 671

CertyIQ

Which of the following are ways to improve security on AWS? (Choose two.)

- A. Using AWS Artifact
- B. Granting the broadest permissions to all IAM roles
- C. Running application code with AWS Cloud9
- D. Enabling multi-factor authentication (MFA) with Amazon Cognito
- E. Using AWS Trusted Advisor security checks

**Answer: DE**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/top-10-security-items-to-improve-in-your-aws-account/>

### Question: 672

CertyIQ

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

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

**Answer: B**

**Explanation:**

Reference:

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

### Question: 673

CertyIQ

A batch workload takes 5 hours to finish on an Amazon EC2 instance. The amount of data to be processed doubles monthly and the processing time is proportional.

What is the best cloud architecture to address this consistently growing demand?

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

**Answer: C**

**Explanation:**

C. Distribute the application across multiple EC2 instances and run the workload in parallel. As the amount of data to be processed doubled monthly and the processing time is proportional, simply upgrading the EC2 instance size or switching to a more suitable instance family may not be enough to handle the consistently growing demand. Distributing the application across multiple EC2 instances and running the workload in parallel is a better option as it provides scalability and can handle increasing demands.

### Question: 674

CertyIQ

A company is building a serverless architecture that connects application data from multiple data sources. The company needs a solution that does not require additional code.

Which AWS service meets these requirements?

- A.AWS Lambda
- B.Amazon Simple Queue Service (Amazon SQS)
- C.Amazon CloudWatch
- D.Amazon EventBridge

**Answer: D**

**Explanation:**

Based on the given requirements, the AWS service that would best meet the company's needs is Amazon EventBridge (Option D).Amazon EventBridge is a serverless event bus that makes it easy to connect applications together using data from various sources. It simplifies the task of building event-driven architectures by enabling different services to communicate with each other without requiring any additional code.

Amazon EventBridge is a serverless event bus that makes it easy to build scalable event-driven architectures. It allows you to route events between AWS services and third-party applications without writing any additional code. You can use EventBridge to collect events from various sources, process them using rules, and trigger actions in real-time.

### Question: 675

CertyIQ

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:**

AWS Budgets

### Question: 676

CertyIQ

A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources.  
Which advantage of the AWS Cloud matches the company's requirements?

- A. Reliability
- B. Global reach
- C. Economies of scale
- D. Pay-as-you-go pricing

**Answer: D**

**Explanation:**

the corporation want to spend its money on cloud resources only when the resources are used" AWS offers you a pay-as-you-go approach <https://aws.amazon.com/pricing/>

### Question: 677

CertyIQ

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

- A. Reliability
- B. Global reach
- C. Scalability
- D. High availability

**Answer: C**

**Explanation:**

Reference:

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

### Question: 678

CertyIQ

A company has identified a high-risk network security issue during an AWS Well-Architected review. The company needs a managed solution that the company can use to deploy essential network protections for all of its VPCs.

Which AWS service or feature meets these requirements?

- A.Security groups
- B.Network ACLs
- C.AWS Network Firewall
- D.Amazon VPC Network Access Analyzer

**Answer: C**

**Explanation:**

<https://aws.amazon.com/network-firewall/features/#:~:text=AWS%20Network%20Firewall%20is%20a%20managed%20service%20that%20makes%20it%20easy%20to%20deploy%20essential%20network%20protections%20for%20all%20of%20your>

AWS Network Firewall is a managed firewall service that provides network traffic filtering and intrusion detection and prevention capabilities for VPCs. It offers customizable rules that can be applied to traffic at the stateful and stateless levels, allowing you to define granular security policies for your network traffic. With Network Firewall, you can centrally manage your network security policies across multiple VPCs and scale your protection as your traffic grows.

### Question: 679

CertyIQ

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

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

**Answer: B**

**Explanation:**

Reference:

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

### Question: 680

CertyIQ

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

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

**Answer: D**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/security/how-to-protect-data-at-rest-with-amazon-ec2-instance-store-encryption/>

### Question: 681

CertyIQ

What is an IAM best practice for AWS account root user access keys?

- A. Delete all root user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.
- D. Use root user credentials to access production database instances.

**Answer: A**

**Explanation:**

Reference:

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

### Question: 682

CertyIQ

A company has performance and regulatory requirements that call for it to run its workload only in its on-premises data center.

Which AWS services or resources should the company use? (Choose two.)

- A. Amazon Pinpoint
- B. Amazon WorkLink
- C. AWS Outposts
- D. AWS Snowball Edge
- E. AWS AppSync

**Answer: CD**

**Explanation:**

Amazon WorkLink is a fully managed service that lets you provide your employees with secure, easy access to your internal corporate websites and web apps using their mobile phones. It should be C & D

**CertyIQ**

**Question: 683**

Elasticity in the AWS Cloud refers to which of the following? (Choose two.)

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

**Answer: BE**

**Explanation:**

Reference:

<https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability>

**CertyIQ**

**Question: 684**

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:**

Amazon QuickSight is a cloud-based business intelligence service that allows users to build visualizations, perform ad-hoc analysis, and create interactive dashboards. It includes built-in machine learning capabilities that allow users to gain insights and make predictions based on their data. QuickSight can connect to various data sources, including Amazon Redshift, Amazon RDS, and Amazon S3, among others.

**Question: 685**

CertyIQ

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

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

**Answer: B****Explanation:**

Amazon ElastiCache is a fully managed, in-memory caching service supporting flexible, real-time use cases. You can use ElastiCache for caching, which accelerates application and database performance, or as a primary data store for use cases that don't require durability like session stores, gaming leaderboards, streaming, and analytics. ElastiCache is compatible with Redis and Memcached.

**Question: 686**

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:**

Reference:

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

**Question: 687**

CertyIQ

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

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

**Answer: D****Explanation:**

Reference:

[\(24\)](https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf)

### Question: 688

CertyIQ

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

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

Answer: B

### Question: 689

CertyIQ

A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported for management review.

Which AWS service or feature should be used to accomplish these task?

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

Answer: C

Explanation:

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

### Question: 690

CertyIQ

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon CloudWatch

Answer: C

### Question: 691

CertyIQ

A company has defined the AWS resources that it needs for a new application. The company needs to estimate the

costs of running the application on AWS.

What should the company do to meet this requirement?

- A. Take advantage of AWS on-demand pricing.
- B. Use the AWS Pricing Calculator to generate an approximate dollar amount.
- C. Use Amazon QuickSight to analyze current on-premises spending.
- D. Use Amazon AppStream 2.0 for real-time pricing analytics.

**Answer: B**

**Explanation:**

Reference:

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

### Question: 692

CertyIQ

A company has a globally distributed user base. The company needs its application to be highly available and have low latency for end users.

Which AWS architectural approach will MOST effectively support these requirements?

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

**Answer: B**

### Question: 693

CertyIQ

Which AWS service or feature for technical assistance is available to a user who has the AWS Basic Support plan?

- A. AWS senior support engineers
- B. AWS technical account manager (TAM)
- C. AWS Trusted Advisor
- D. AWS Discussion Forums

**Answer: D**

**Explanation:**

Correct answer is D.

Senior support engineers only available for Enterprise support.

<https://www.amazonaws.cn/en/support/compare-plans/>

### Question: 694

CertyIQ

A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

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

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 695

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

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

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/awscloudtrail/latest/userguide/cloudtrail-user-guide.html>

**CertyIQ**

### Question: 696

An application is running on multiple Amazon EC2 instances. The company wants to make the application highly available by configuring a load balancer with requests forwarded to the EC2 instances based on URL paths.

Which AWS load balancer will meet these requirements and take the LEAST amount of effort to deploy?

- A.Network Load Balancer
- B.Application Load Balancer
- C.AWS OpsWorks Load Balancer
- D.Custom Load Balancer on Amazon EC2

**Answer: B**

**Explanation:**

The AWS load balancer that will meet these requirements and take the least amount of effort to deploy is the Application Load Balancer. Option B is the correct answer. The Application Load Balancer (ALB) is a highly available, managed load balancer that can be easily deployed in front of your Amazon EC2 instances. The ALB supports routing requests based on URL path, hostname, and other attributes, and provides advanced features such as TLS termination, sticky sessions, and support for WebSockets.

The Application Load Balancer (ALB) is a Layer 7 load balancer that is designed to route traffic to multiple targets, such as Amazon EC2 instances, based on the content of the request. The ALB supports path-based

routing, which means that requests can be forwarded to specific targets based on the URL path.

### Question: 697

CertyIQ

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

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

### Answer: B

#### Explanation:

Reference:

<https://medium.com/tensult/how-to-protect-objects-from-accidental-deletion-and-overwrite-using-s3-object-versioning-5222796ab156>

" target="\_blank" style="word-break: break-all;">>

S3 Object Versioning is one of the most salient features in Amazon S3. Object versioning is used to avoid unintended overwrite and deletion. Versioning is not enabled by default and this feature is used to keep multiple versions of objects at the same time in the bucket.

If we enable versioning on the bucket, we cannot delete an object directly. All versions remain in the bucket and a delete marker is introduced which becomes the current version. So if you need to delete an object, you need to remove that delete marker also. Existing objects in your bucket do not change and only future requests behavior changes. If we put an object retrieval request, the current version of the object will always return.

### Question: 698

CertyIQ

Which of the following are AWS security best practices for using AWS Identity and Access Management (IAM) to manage an AWS account root user? (Choose two.)

- A. Set up multi-factor authentication (MFA) for the root user.
- B. Remove all IAM policies from the root user.
- C. Delete the root user access keys.
- D. Use the root user for daily tasks.
- E. Assign a read-only access policy to the root user.

### Answer: AC

**Explanation:**

If you do have an access key for your AWS account root user, delete it. If you must keep it, rotate (change) the access key regularly. To delete or rotate your root user access keys, go to the My Security Credentials page in the AWS Management Console and sign in with your account's email address and password. You can manage your access keys in the Access keys section. For more information about rotating access keys, see Rotating access keys

**CertyIQ****Question: 699**

Which AWS service is designed to help users orchestrate a workflow process for a set of AWS Lambda functions?

- A.Amazon DynamoDB
- B.AWS CodePipeline
- C.AWS Batch
- D.AWS Step Functions

**Answer: D****Explanation:**

The AWS service designed to help users orchestrate a workflow process for a set of AWS Lambda functions is AWS Step Functions. Option D is the correct answer. AWS Step Functions is a serverless workflow service that lets you coordinate distributed applications and microservices using visual workflows. With Step Functions, you can build applications from individual building blocks using AWS Lambda functions, Amazon ECS tasks, and more.

**CertyIQ****Question: 700**

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

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

**Answer: A****CertyIQ****Question: 701**

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

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

**Answer: D**

**Explanation:**

Reference:

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

**Question: 702**

CertyIQ

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

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

**Answer: C**

**Explanation:**

Reference:

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

**Question: 703**

CertyIQ

A company's traffic logs show that IP addresses owned by AWS are being used in an attempt to flood ports on system resources.

To whom should the cloud practitioner report this issue?

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

**Answer: B**

**Explanation:**

Reference:

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

**Question: 704**

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:**

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/troubleshooting-launch.html>

### Question: 705

CertyIQ

A company needs to centralize its operational data. The company also needs to automate tasks across all of its Amazon EC2 instances.

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

- A.AWS Trusted Advisor
- B.AWS Systems Manager
- C.AWS CodeDeploy
- D.AWS Elastic Beanstalk

**Answer: B**

**Explanation:**

B, AWS Systems Manager.AWS Systems Manager provides a unified user interface that can be used to view operational data from multiple AWS services and automate tasks across multiple EC2 instances. It allows users to configure and manage virtual machines, run scripts, and automate various tasks across a large number of instances. Additionally, it provides an aggregated view of operational data across multiple AWS services.

### Question: 706

CertyIQ

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

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

**Answer: A**

**Explanation:**

Reference:

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

### Question: 707

CertyIQ

Which statement explains the benefit of agility in the AWS Cloud?

- A. Agility gives users the ability to host applications in multiple AWS Regions around the world.
- B. Agility gives users the ability to pay upfront to reduce cost.
- C. Agility provides customizable physical hardware at the lowest possible cost.
- D. Agility provides the means for users to provision resources in minutes.

**Answer: D**

**Explanation:**

Reference:

<https://blog.clairvoyantsoft.com/true-economics-of-cloud-computing-part-1-what-it-really-means-to-be-agile-1ed14a1696a5>

" target="\_blank" style="word-break: break-all;">>

**Infrastructure Agility:** Cloud allows companies to significantly decrease the time it takes to provision and de-provision IT infrastructure. You have the ability to start small, and scale up as needed and, if you face a scenario where you need to cut back, it's easy to make that happen. While a physical server could take days or weeks to procure and provision, a cloud server takes minutes. Using Apache Hadoop, Spark, and Hive in the cloud enables growth of data processing power in real-time. Faster time to market means faster time to revenue.

### Question: 708

CertyIQ

Which of the following are user authentication services managed by AWS? (Choose two.)

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

**Answer: AD**

**Explanation:**

Reference:

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

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_users.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_users.html)

### Question: 709

CertyIQ

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

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

**Answer: D**

**Explanation:**

Reference:

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

### Question: 710

**CertyIQ**

Which of the following are customer responsibilities under the AWS shared responsibility model? (Choose two.)

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

**Answer: BC**

**Explanation:**

### Question: 711

**CertyIQ**

A user should contact the AWS Abuse team to report which situations? (Choose two.)

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

**Answer: CD**

**Explanation:**

1. A: A DDoS attack is being made on an AWS resource - wrong, because you have to report when: Your logs show that one or more !!!AWS-owned IP addresses!!! are used to flood ports on your resources with packets.B: A SQL injection attack is being made from an IP address that is not an AWS address. - Wrong, because attack not from AWS IP addresses.C: AWS resources are being used to host objectionable or illegal content. - CorrectD: AWS resources are being used to host objectionable or illegal content. - CorrectE: A company is receiving HTTPS requests on a web server that is serving HTTP. - Incorrect :-)
2. Answer is C,D.

**Question: 712**

A company uses Amazon DynamoDB in its AWS Cloud architecture.

According to the AWS shared responsibility model, which of the following are responsibilities of the company? (Choose two.)

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

**Answer: BC**

**Explanation:**

Answer should be B and C.

As much as data is by default encrypted at rest in DynamoDB, the customer has to configure the encryption key management options:

<https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/EncryptionAtRest.html> Endpoints are provided by AWS: <https://docs.aws.amazon.com/general/latest/gr/ddb.html>

**Question: 713**

What should a user do to deploy an application in geographically separate locations?

- A. Deploy the application in different placement groups.
- B. Deploy the application to a VPC.
- C. Deploy the application to multiple AWS Regions.
- D. Deploy the application by using Amazon CloudFront.

**Answer: C**

**Explanation:**

Reference:

[https://aws.amazon.com/about-aws/global-infrastructure/regions\\_az/](https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)

**Question: 714**

A company wants to rightsize its infrastructure to control costs.

At which points should the company rightsize? (Choose two.)

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

**Answer: AB**

**Explanation:**

A & B <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/right-size-before-migrating.html> <https://docs.aws.amazon.com/whitepapers/latest/cost-optimization-right-sizing/right-sizing-ongoing-process.html>

**CertyIQ****Question: 715**

Which tasks should a user perform if the user suspects that an AWS account has been compromised? (Choose two.)

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

**Answer: BE****CertyIQ****Question: 716**

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

Which AWS service meets these requirements?

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

**Answer: A****Explanation:**

Reference:

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

**CertyIQ****Question: 717**

Which AWS service or tool does AWS Control Tower use to create resources?

- A.AWS CloudFormation
- B.AWS Trusted Advisor
- C.AWS Directory Service
- D.AWS Cost Explorer

**Answer: A****Explanation:**

A. AWS CloudFormation. AWS Control Tower uses AWS CloudFormation to create and manage AWS resources across multiple accounts and organizational units (OUs). AWS CloudFormation provides a common language for describing and provisioning infrastructure resources in an automated and secure manner. With AWS Control Tower, users can define and enforce policies to ensure that resources are provisioned according to best practices, and can use AWS CloudFormation templates to automate the creation and deployment of resources.

### Question: 718

CertyIQ

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

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

### Answer: B

#### Explanation:

"to increase agility" - spot instances won't facilitate this need, and on-demand can be brought now - "downtime is to be anticipated" - this means company will bring it down, that is allowed in on-demand as well.

### Question: 719

CertyIQ

Which guidelines are key AWS architectural design principles? (Choose two.)

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

### Answer: BD

#### Explanation:

#### Reference:

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

### Question: 720

CertyIQ

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

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

## D. AWS Basic Support

**Answer: B**

**Explanation:**

1. answer is B
2. I think B is correct

**CertyIQ**

## Question: 721

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

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

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

## Question: 722

A company needs to perform a one-time migration of 40TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity.

Which AWS service will meet these requirements?

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

**Answer: A**

**Explanation:**

Snowball is better for 40TB transfer. It will make transfer while keeping the costs at minimum. With 100 mbps, it will be quick.

**CertyIQ**

## Question: 723

A company uses Amazon S3 buckets. One of the company's departments enabled S3 Cross-Region Replication for those buckets to meet new requirements. The company's bill for that month was larger than usual.

Which AWS service or feature can the company use to confirm that the cost increase was caused by the data replication?

- A. Consolidated billing
- B. Cost Explorer

- C. AWS Pricing Calculator
- D. AWS Trusted Advisor

**Answer: B**

**Explanation:**

Reference:

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

### Question: 724

CertyIQ

A company wants to store data with high availability, encrypt the data at rest, and have direct access to the data over the internet.

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

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

**Answer: B**

**Explanation:**

You can encrypt data using any encryption method you want, and then upload the encrypted data using the Amazon Simple Storage Service (Amazon S3) APIs.

Most common application languages include cryptographic libraries that allow you to perform encryption in your applications. Two commonly available open source tools are Bouncy Castle and OpenSSL. Once you have encrypted an object and safely stored the key in your KMI, the encrypted object can be uploaded to Amazon S3 directly with a PUT request.

Reference:

<https://d0.awsstatic.com/whitepapers/aws-securing-data-at-rest-with-encryption.pdf>

### Question: 725

CertyIQ

How do AWS users trade infrastructure expenses for operational expenses?

- A. Secure their physical infrastructure to prevent malicious attacks.
- B. Use AWS Budgets to ensure that spending on AWS resources does not exceed preset thresholds.
- C. Eliminate the electricity costs that are associated with the hosting of physical servers.
- D. Use AWS Auto Scaling to dynamically increase and decrease compute resources as needed.

**Answer: C**

**Explanation:**

1. Definitely C
2. c is correct

### Question: 726

CertyIQ

A network engineer needs to establish a dedicated 10 Gbps network connection from an on-premises environment to AWS.

Which AWS service or feature should the engineer use?

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

**Answer: B**

**Explanation:**

AWS Direct Connect can create a dedicated network connection between your premises and AWS.

Reference:

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

**CertyIQ**

**Question: 727**

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

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

**Answer: B**

**Explanation:**

AWS Marketplace is a curated digital catalog that makes it easy for customers to find, buy, deploy, and manage the third-party software.

Reference:

<https://aws.amazon.com/marketplace/campaigns/software-procurement>

**CertyIQ**

**Question: 728**

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

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

**Answer: B**

**Explanation:**

A subnet in a VPC (Virtual Private Cloud) is an isolated segment of an AWS network where a user can launch AWS resources in a defined virtual network. Network Access Control Lists (NACLs) are associated with subnets in a VPC and provide a firewall-like protection layer to control inbound and outbound traffic from and

to the subnet. NACLs operate at the subnet level, allowing or denying traffic to and from the subnets in a VPC based on rules that can be configured to specify the allowed source and destination IP addresses, protocols, and ports. VPC security groups, on the other hand, are associated with AWS resources such as EC2 instances, and they control the traffic that is allowed to reach a particular resource, rather than to an entire subnet.

### Question: 729

CertyIQ

A company needs to securely store important credentials that an application uses to connect users to a database.

Which AWS service can meet this requirement with the MINIMAL amount of operational overhead?

- A.AWS Key Management Service (AWS KMS)
- B.AWS Config
- C.AWS Secrets Manager
- D.Amazon GuardDuty

### Answer: C

#### Explanation:

AWS Secrets Manager can meet this requirement with the minimal amount of operational overhead. AWS Secrets Manager helps to protect access to applications, services, and IT resources. It enables the storage and management of credentials, such as database credentials, API keys, and other secrets, through a fully managed service that can simplify their rotation, management, and retrieval.

### Question: 730

CertyIQ

A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases.

Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

- A. Elastic Load Balancing
- B. Amazon EC2 Auto Scaling
- C. AWS App2Container (A2C)
- D. AWS Systems Manager

### Answer: B

#### Explanation:

Yes, the question is "can the business utilize to deploy the required number of EC2 instances?" - adding the required number is auto-scaling, not load balancing, the answer must be B

### Question: 731

CertyIQ

A company has infrastructure in one AWS Region and is expanding operations to a second AWS Region. The company is using the same AWS CloudFormation template in the second Region that the company uses in the original Region. The company attempts to launch Amazon EC2 On-Demand Instances in the second Region and receives error messages.

What could cause these error messages?

- A. A new EC2 key pair has not been created for the EC2 instances.
- B. The requested EC2 instance types are not available in the second Region.
- C. The company cannot operate in a second Region until it updates its AWS contract.
- D. The company has not configured AWS Budgets to monitor the budget for the EC2 instances.

**Answer: B**

**Explanation:**

- 1. For me is B.. I've already faced several issues with unavailable instances types from one region to another that prevented me to replicate exactly the same environment.
- 2. answer is B

### Question: 732

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:**

The AWS Cloud Development Kit (AWS CDK) is an open source software development framework to define your cloud application resources using familiar programming languages. Provisioning cloud applications can be a challenging process that requires you to perform manual actions, write custom scripts, maintain templates, or learn domain-specific languages. AWS CDK uses the familiarity and expressive power of programming languages for modeling your applications. It provides you with high-level components called constructs that preconfigure cloud resources with proven defaults, so you can build cloud applications without needing to be an expert. AWS CDK provisions your resources in a safe, repeatable manner through AWS CloudFormation.

Reference:

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

### Question: 733

CertyIQ

Which options are available to a user who wants to contact AWS Support? (Choose two.)

- A. Create an email case in the AWS Support Center.
- B. Visit a local AWS Support Center.
- C. Use live chat functionality.
- D. Call the customer service phone number.
- E. Use the video conference functionality of the AWS Support console.

**Answer: AC**

**Explanation:**

it is clearly written in the following link that you don't call AWS but they call you back after you have created a case. it is explicitly written that you can chat and open a case in the support center

<https://aws.amazon.com/premiumsupport/knowledge-center/aws-phone-support/>

### Question: 734

CertyIQ

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice.

Which benefit of the AWS Cloud describes these abilities?

- A.Reliability
- B.Economy of scale
- C.Elasticity
- D.Pay-as-you-go pricing

**Answer: C**

**Explanation:**

Elasticity is a key benefit of the AWS Cloud, as it provides the ability to easily scale resources up and down as needed. This means that users can quickly adjust their resource usage to meet changing demands, without needing to worry about capacity planning or overprovisioning. Additionally, AWS provides a wide range of tools and services to help automate scaling, making it easy to respond to changes in demand with just a few clicks.

### Question: 735

CertyIQ

A company plans to store sensitive data in an Amazon S3 bucket.

Which task is the responsibility of AWS?

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

**Answer: B**

**Explanation:**

Answer is B as this related to AWS and AWS responsible for Physical Infrastructure

### Question: 736

CertyIQ

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

- A. Network ACL

- B. AWS WAF
- C. Route table
- D. Security group

**Answer: D**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_SecurityGroups.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html)

**CertyIQ**

### Question: 737

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

- A. Operational excellence
- B. Cost optimization
- C. Security
- D. Well-Architected Framework
- E. Rightsizing

**Answer: BC**

**Explanation:**

AWS Trusted Advisor -

Reduce costs, improve performance, improve security

Reference:

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

**CertyIQ**

### Question: 738

Which of the following is entirely the responsibility of AWS, according to the AWS shared responsibility model?

- A. Patching of the guest operating system
- B. Security awareness and training
- C. Physical and environmental controls
- D. Development of an IAM password policy

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=AWS%20responsibility%20%E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20services>

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**Question: 739**

CertyIQ

A company needs to host a highly available application in the AWS Cloud. The application runs infrequently for short periods of time.

Which AWS service will meet these requirements with the LEAST amount of operational overhead?

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

**Answer: C****Explanation:**

C. AWS Lambda is a serverless computing service that runs code in response to events and automatically manages the compute resources required by that code. It is designed to run small pieces of code, such as individual functions, and does not require any infrastructure management from the user. Since the application runs infrequently for short periods of time, AWS Lambda is a good fit as it automatically scales and provisions resources based on the incoming traffic, without the need for the user to manage any infrastructure.

**Question: 740**

CertyIQ

A company wants to store data with high availability, encrypt the data at rest, and have direct access to the data over the internet.

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

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

**Answer: B****Explanation:**

Amazon S3 (Option B) is the AWS service that will meet the stated requirements most cost-effectively. Amazon S3 is an object storage service that provides high durability and availability for data. It automatically replicates data across multiple Availability Zones within a Region to provide high availability. Amazon S3 also supports server-side encryption to encrypt data at rest. It also provides direct internet access to data stored in S3 buckets.

**Question: 741**

CertyIQ

A company runs business applications in an on-premises data center and in the AWS Cloud. The company needs a shared file system that can be available to both environments.

Which AWS service meets these requirements?

- A.Amazon Elastic Block Store (Amazon EBS)
- B.Amazon S3

C.Amazon ElastiCache

D.Amazon Elastic File System (Amazon EFS)

**Answer: D**

**Explanation:**

The correct answer is D, Amazon Elastic File System (Amazon EFS) provides a simple, scalable, and fully managed shared file system that can be accessed from multiple instances across different availability zones, regions, and VPCs. This makes it ideal for hybrid cloud environments where resources are located in both on-premises data centers and the AWS Cloud.

**Question: 742**

**CertyIQ**

What are characteristics of Availability Zones? (Choose two.)

- A.All Availability Zones in an AWS Region are interconnected with high-bandwidth, low-latency networking.
- B.Availability Zones are physically separated by a minimum of distance of 150 km (100 miles).
- C.All traffic between Availability Zones is encrypted.
- D.Availability Zones within an AWS Region share redundant power, networking, and connectivity.
- E.Every Availability Zone contains a single data center.

**Answer: AD**

**Explanation:**

The characteristics of Availability Zones are:  
A. All Availability Zones in an AWS Region are interconnected with high-bandwidth, low-latency networking.  
D. Availability Zones within an AWS Region share redundant power, networking, and connectivity.  
Option A is true. All Availability Zones in an AWS Region are interconnected with high-bandwidth, low-latency networking. This enables customers to design and deploy highly available and fault-tolerant applications across multiple Availability Zones.  
Option D is true. Availability Zones within an AWS Region share redundant power, networking, and connectivity, which increases their availability and fault tolerance.

**Question: 743**

**CertyIQ**

Which AWS service uses edge locations?

- A. Amazon Aurora
- B. AWS Global Accelerator
- C. Amazon Connect
- D. AWS Outposts

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/global-accelerator/>  
" target="\_blank" style="word-break: break-all;">>

# Benefits of AWS Global Accelerator

## Accelerate latency-sensitive applications:

Your network latency is driven by the number of networks your user data needs to hop and the bandwidth available along the path to your AWS application endpoints. These network variables create opportunities for internet congestion to delay connections and lose data. AWS Global Accelerator combines advanced networking features with the dedicated AWS Global Network to improve your application network performance by up to 60%. TCP connections are terminated at the AWS Edge location closest to your users, instead of at your endpoint, accelerating data transfers globally. Once on the AWS network, automated routing directs your user traffic to the most performant AWS endpoints in Regions and/or Availability Zones. For UDP workloads, the AWS network provides the global capacity needed to avoid packet loss and jitter during traffic spikes.

### Question: 744

CertyIQ

What is an AWS responsibility under the AWS shared responsibility model?

- A.Configure the security group rules that determine which ports are open on an Amazon EC2 Linux instance.
- B.Ensure the security of the internal network in the AWS data centers.
- C.Patch the guest operating system with the latest security patches on Amazon EC2.
- D.Turn on server-side encryption for Amazon S3 buckets.

### Answer: B

#### Explanation:

(B) is the correct response.

Under the AWS shared responsibility model, an AWS responsibility is to ensure the security of the internal network in the AWS data centers (Option B). The AWS shared responsibility model defines the security responsibilities between AWS and the customer. AWS is responsible for the security of the underlying infrastructure, including the physical security of the data centers, the security of the network infrastructure, and the security of the hypervisor. The customer is responsible for the security of their applications and data in the cloud.

**Question: 745**

CertyIQ

What is the LEAST expensive AWS Support plan that provides a designated AWS technical account manager (TAM)?

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

**Answer: D****Explanation:**

Correct answer is D: AWS Business Support.

**Question: 746**

CertyIQ

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A. IAM policies
- B. Server-side encryption
- C. Amazon GuardDuty
- D. Client-side encryption

**Answer: B****Explanation:**

Answer is B.

When you use server-side encryption, Amazon S3 encrypts an object before saving it to disk and decrypts it when you download the objects. <https://docs.aws.amazon.com/AmazonS3/latest/userguide/bucket-encryption.html>

**Question: 747**

CertyIQ

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application.

What can the company do to meet this requirement?

- A. Set up invoiced billing.
- B. Use AWS Artifact.
- C. Set the budgets in Cost Explorer.
- D. Create cost allocation tags.

**Answer: D****Explanation:**

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

# Using Cost Allocation Tags

[PDF](#) | [Kindle](#) | [RSS](#)

A tag is a label that you or AWS assigns to an AWS resource. Each tag consists of a *key* and a *value*. For each resource, each tag key must be unique, and each tag key can have only one value. You can use tags to organize your resources, and cost allocation tags to track your AWS costs on a detailed level. After you activate cost allocation tags, AWS uses the cost allocation tags to organize your resource costs on your cost allocation report, to make it easier for you to categorize and track your AWS costs. AWS provides two types of cost allocation tags, an *AWS generated tags* and *user-defined tags*. AWS, or AWS Marketplace ISV defines, creates, and applies the AWS generated tags for you, and you define, create, and apply user-defined tags. You must activate both types of tags separately before they can appear in Cost Explorer or on a cost allocation report.

## Question: 748

CertyIQ

A company is based in the us-east-1 Region and has a satellite office in the eu-west-2 Region. The company wants to use Amazon WorkSpaces to host its internal web portal and virtual desktops for employees. What should the company do to minimize latency and ensure the best possible performance for employees?

- A. Deploy the internal web portal and virtual desktops to us-east-1 only. Use an Amazon CloudFront distribution for the users in eu-west-2.
- B. Deploy the internal web portal to us-east-1 only. Deploy the virtual desktops to us-east-1 and eu-west-2.
- C. Deploy the internal web portal to us-east-1 and eu-west-2. Deploy the virtual desktops on network optimized Amazon EC2 instances to us-east-1 only.
- D. Deploy the internal web portal and virtual desktops to us-east-1 and eu-west-2.

Answer: D

## Question: 749

CertyIQ

A company is considering a move to the AWS Cloud. The company wants to be able to scale its compute resources as needed to accommodate changing loads.

Which benefit of the AWS Cloud does this scenario describe?

- A. Global deployments in minutes
- B. Cost savings
- C. Agility
- D. Elasticity

Answer: D

## Question: 750

CertyIQ

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

- A.File storage
- B.Object storage
- C.Block storage
- D.Instance store

**Answer: A**

**Explanation:**

A, file storage. Amazon Elastic File System (Amazon EFS) and Amazon FSx are both file storage services. They provide scalable file storage for use with EC2 instances and other AWS services.

**Question: 751**

**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: BC**

**Explanation:**

B & C because Workspaces : • Fully managed VDI and desktop available • The users connect to the VDI and open native or WAM applications • Workspaces are on-demand or always on AppStream 2.0 : • Stream a desktop application to web browsers (no need to connect to a VDI) • Works with any device (that has a web browser) • Allow to configure an instance type per application type (CPU, RAM, GPU)

**Question: 752**

**CertyIQ**

Which AWS service provides protection against DDoS attacks for applications that run in the AWS Cloud?

- A.Amazon VPC
- B.AWS Shield
- C.AWS Audit Manager
- D.AWS Config

**Answer: B**

**Explanation:**

The correct answer is B. AWS Shield. AWS Shield is a managed DDoS protection service that safeguards applications that run on AWS against the most common DDoS attacks. It provides always-on detection and automatic inline mitigations that minimize application downtime and latency, so there is no need to engage

AWS Support to benefit from DDoS protection.

CertyIQ

**Question: 753**

Which AWS service is always free of charge for users?

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon EC2
- D. AWS Identity and Access Management (IAM)

**Answer: D**

**Explanation:**

The answer is D

<https://docs.aws.amazon.com/IAM/latest/UserGuide/introduction.html> Free to use AWS Identity and Access Management (IAM) and AWS Security Token Service (AWS STS) are features of your AWS account offered at no additional charge. You are charged only when you access other AWS services using your IAM users or AWS STS temporary security credentials. For information about the pricing of other AWS products, see the Amazon Web Services pricing page

**Question: 754**

CertyIQ

Which AWS services can be used to store files? (Choose two.)

- A. Amazon S3
- B. AWS Lambda
- C. Amazon Elastic Block Store (Amazon EBS)
- D. Amazon SageMaker
- E. AWS Storage Gateway

**Answer: AE**

**Explanation:**

1. Should be A and E.C (Amazon Elastic Block) is NOT a file storage. It is just a block storage for EC2AWS Storage Gateway is a way to bridge this gap for companies of any size. It's a hybrid storage option that connects on-premise storage including age-old tape backup systems to the cloud in a way that also provides one console to access all storage configurations.Reference: <https://www.techradar.com/news/what-is-aws-storage-gateway>
2. Key word here is "file storage". That's the reason why "Amazon Elastic Block Store" can not be right.

**Question: 755**

CertyIQ

Which AWS Cloud benefit describes the ability to acquire resources as they are needed and release resources when they are no longer needed?

- A.Economies of scale
- B.Elasticity

- C.Agility
- D.Security

**Answer: B**

**Explanation:**

The AWS Cloud benefit that describes the ability to acquire resources as they are needed and release resources when they are no longer needed is Elasticity.

**CertyIQ**

**Question: 756**

Which AWS service or feature can be used to find availability status information on all AWS services?

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

**Answer: C**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 757**

Which AWS service or feature provides users with recommendations for common billing questions?

- A. AWS Marketplace
- B. AWS Knowledge Center
- C. Amazon Pinpoint
- D. Amazon Connect

**Answer: B**

**CertyIQ**

**Question: 758**

A company needs to store infrequently used data for data archives and long-term backups.

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

- A.Amazon FSx for Lustre
- B.Amazon Elastic Block Store (Amazon EBS)
- C.Amazon Elastic File System (Amazon EFS)
- D.Amazon S3 Glacier Flexible Retrieval

**Answer: D**

**Explanation:**

The most cost-effective AWS storage class for infrequently used data for data archives and long-term backups is Amazon S3 Glacier Flexible Retrieval. This storage class is designed for data that is rarely accessed and has a minimum storage duration of 90 days, making it ideal for long-term backups and data archives. Additionally, Amazon S3 Glacier offers cost savings through its low-cost storage and retrieval fees, making it the most cost-effective option for this use case.

**CertyIQ****Question: 759**

A company is planning to migrate to the AWS Cloud. The company is conducting organizational transformation and wants to become more responsive to customer inquiries and feedback.

Which tasks should the company perform to meet these requirements, according to the AWS Cloud Adoption Framework (AWS CAF)? (Choose two.)

- A.Realign teams to focus on products and value streams.
- B.Create new value propositions with new products and services.
- C.Use agile methods to rapidly iterate and evolve.
- D.Use a new data and analytics platform to create actionable insights.
- E.Migrate and modernize legacy infrastructure.

**Answer: AC****Explanation:**

A. Realign teams to focus on products and value streams.C. Use agile methods to rapidly iterate and evolve.Explanation:According to the AWS Cloud Adoption Framework (CAF), to become more responsive to customer inquiries and feedback, the company should realign teams to focus on products and value streams, which allows for more customer-centric decision-making. Additionally, the company should use agile methods to rapidly iterate and evolve its products and services, which promotes customer feedback and collaboration throughout the development process. The other options listed (B, D, and E) are not directly related to the company's goal of becoming more responsive to customer inquiries and feedback.

**CertyIQ****Question: 760**

A company uses a database that has a simple sign-up page to create users, and a basic login form to authenticate users so they can access the database. The company wants to give users the ability to store personal information, but the user access must be controlled in a more secure and reliable way.

Which AWS service or feature will meet these requirements?

- A. Security groups
- B. Amazon GuardDuty
- C. AWS Secrets Manager
- D. Amazon Cognito

**Answer: D****Explanation:**

Amazon Cognito

Amazon Cognito lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily. Amazon Cognito scales to millions of users and supports sign-in with social identity providers, such as Apple, Facebook, Google, and Amazon, and enterprise identity providers via SAML 2.0 and OpenID Connect

### Question: 761

CertyIQ

A company runs Amazon EC2 instances in a research lab. The instances run for 3 hours each week and cannot be interrupted.

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

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

### Answer: B

#### Explanation:

Since the instances cannot be interrupted, Spot Instances cannot be used. On-Demand Instances do not provide any discounts or benefits for long-term usage. Compute Savings Plans and Convertible Reserved Instances offer cost savings for longer-term usage. However, since the instances are only run for 3 hours each week, it may be more cost-effective to use On-Demand Instances rather than purchasing any instance reservation or savings plan. Therefore, the MOST cost-effective instance purchasing option for this requirement is B. On-Demand Instances.

### Question: 762

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:

Reference:

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

# Six Advantages of Cloud Computing

[PDF](#) | [RSS](#)

- **Trade capital expense for variable expense** – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume.
- **Benefit from massive economies of scale** – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay-as-you-go prices.

## Question: 763

CertyIQ

A developer needs to build an application for a retail company. The application must provide real-time product recommendations that are based on machine learning.

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

- A.AWS Health Dashboard
- B.Amazon Personalize
- C.Amazon Forecast
- D.Amazon Transcribe

### Answer: B

#### Explanation:

The developer should use Amazon Personalize to meet the requirement for real-time product recommendations based on machine learning. Amazon Personalize is a machine learning service that uses advanced algorithms to create custom personalization models that can be used to deliver real-time product recommendations, personalized search results, and targeted marketing campaigns. Amazon Personalize can be used to build recommendation engines for various use cases, including retail product recommendations.

## Question: 764

CertyIQ

A company has all of its servers in the us-east-1 Region. The company is considering the deployment of additional servers in a different Region.

Which AWS tool should the company use to find pricing information for other Regions?

- A.Cost Explorer
- B.AWS Budgets
- C.AWS Purchase Order Management
- D.AWS Pricing Calculator

### Answer: D

#### Explanation:

The AWS Pricing Calculator is a tool that allows users to estimate the cost of using AWS services in different regions. It helps to compare prices across different AWS regions and provides an estimated monthly cost based on the user's expected usage of AWS services.

### Question: 765

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:

Reference:

<https://aws.amazon.com/cloudfront/#:~:text=Amazon%20CloudFront%20is%20a%20fast,within%20a%20developer%2Dfriendly%20environment>

### Question: 766

CertyIQ

Which phase describes agility as a benefit of building in the AWS Cloud?

- A. The ability to pay only when computing resources are consumed, based on the volume of resources that are consumed
- B. The ability to eliminate guessing about infrastructure capacity needs
- C. The ability to support innovation through a reduction in the time that is required to make IT resources available to developers
- D. The ability to deploy an application in multiple AWS Regions around the world in minutes

#### Answer: C

#### Explanation:

Reference:

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

### Question: 767

CertyIQ

A company is undergoing a security audit. The audit includes security validation and compliance validation of the AWS infrastructure and services that the company uses. The auditor needs to locate compliance-related information and must download AWS security and compliance documents. These documents include the System and Organization Control (SOC) reports.

Which AWS service or group can provide these documents?

- A. AWS Abuse team
- B. AWS Artifact

C. AWS Support

D. AWS Config

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 768**

Which AWS Trusted Advisor checks are available to users with AWS Basic Support? (Choose two.)

- A. Service limits
- B. High utilization Amazon EC2 instances
- C. Security groups " specific ports unrestricted
- D. Load balancer optimization
- E. Large number of rules in an EC2 security groups

**Answer: AC**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 769**

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

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

- A. Create an Amazon S3 bucket for each 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**

**CertyIQ**

**Question: 770**

Which network security features are supported by Amazon VPC? (Choose two.)

- A. Network ACLs
- B. Internet gateways
- C. VPC peering

- D. Security groups
- E. Firewall rules

**Answer: AD**

**Explanation:**

Reference:

[https://docs.aws.amazon.com/vpc/latest/userguide/VPC\\_Security.html](https://docs.aws.amazon.com/vpc/latest/userguide/VPC_Security.html)

**CertyIQ**

**Question: 771**

A company is considering migration to the AWS Cloud. The company wants a fully managed service or feature that can transfer streaming data from multiple sources to an Amazon S3 bucket.

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

- A.AWS DataSync
- B.Amazon Kinesis Data Firehose
- C.S3 Select
- D.AWS Transfer Family

**Answer: B**

**Explanation:**

Amazon Kinesis Data Firehose is a fully managed service that can capture, transform, and load streaming data in real-time from multiple sources, including AWS services such as Amazon S3, Amazon Redshift, and Amazon Elasticsearch. It is designed to make it easy to load streaming data into AWS data stores, data lakes, and analytics services. With Amazon Kinesis Data Firehose, you can transform and compress data before loading it into Amazon S3. In this scenario, the company wants a fully managed service or feature that can transfer streaming data from multiple sources to an Amazon S3 bucket, which is exactly what Amazon Kinesis Data Firehose is designed to do. Therefore, the best option to meet the company's requirement is Amazon Kinesis Data Firehose.

**CertyIQ**

**Question: 772**

An Elastic Load Balancer allows the distribution of web traffic across multiple:

- A. AWS Regions.
- B. Availability Zones.
- C. Dedicated Hosts.
- D. Amazon S3 buckets.

**Answer: B**

**Explanation:**

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

**Question: 773**

CertyIQ

A company wants to implement controls (guardrails) in a newly created AWS Control Tower landing zone.

Which AWS services or features can the company use to create and define these controls (guardrails)? (Choose two.)

- A.AWS Config
- B.Service control policies (SCPs)
- C.Amazon Guard Duty
- D.AWS Identity and Access Management (IAM)
- E.Security groups

**Answer: BD****Explanation:**

When creating a new AWS Control Tower landing zone, you can define policies to enforce permissions boundaries and ensure compliance across your AWS environment. AWS provides several services and features to help create and define these policies, and two of the primary tools are Service Control Policies (SCPs) and AWS Identity and Access Management (IAM) policies. Service Control Policies (SCPs) are used to define permission guardrails across accounts in a Control Tower landing zone. With SCPs, you can limit permissions for IAM entities (users, groups, and roles) and the resources they can access. SCPs work as a whitelist, explicitly allowing access to only the specified resources and services, and denying access to all other resources and services. This helps to enforce compliance policies across all accounts and resources within the AWS Control Tower environment.

**Question: 774**

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:**

Reference:

<https://www.lastweekinaws.com/blog/what-is-an-edge-location-in-aws-a-simple-explanation/#:~:text=CloudFront%20is%20the%20most%20commonly,caches%20content%20in%20edge%20locations>

**Question: 775**

CertyIQ

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

- A. Consumption-based pricing

- B. Perpetual licenses
- C. Economies of scale
- D. AWS Enterprise Support at no additional cost
- E. Bring-your-own-hardware model

**Answer: AC**

**CertyIQ**

**Question: 776**

Which database engine is compatible with Amazon RDS?

- A.Apache Cassandra
- B.MongoDB
- C.Neo4j
- D.PostgreSQL

**Answer: D**

**Explanation:**

Amazon RDS (Relational Database Service) is compatible with several database engines, including PostgreSQL, MySQL, MariaDB, Oracle, Microsoft SQL Server, and Amazon Aurora. Therefore, the correct answer is D. PostgreSQL. Apache Cassandra is a NoSQL database, MongoDB is also a NoSQL document-oriented database, and Neo4j is a graph database, and while they are supported on AWS, they are not supported by Amazon RDS specifically.

**CertyIQ**

**Question: 777**

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

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

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/ecs/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-card.s.sort-order=desc&ecs-blogs.sort-by=item.additionalFields.createdDate&ecs-blogs.sort-order=desc>

**CertyIQ**

**Question: 778**

A user discovered that an Amazon EC2 instance is missing an Amazon Elastic Block Store (Amazon EBS) data volume. The user wants to determine when the EBS volume was removed.

Which AWS service will provide this information?

- A.AWS Config
- B.AWS Trusted Advisor
- C.Amazon Timestream
- D.Amazon QuickSight

**Answer: A**

**Explanation:**

AWS Config can provide some information about the removal of an EBS volume, AWS CloudTrail is the more appropriate service for this specific question.

**Question: 779**

**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:**

Reference:

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

**Question: 780**

**CertyIQ**

A company is running a Microsoft SQL Server instance on premises and is migrating its application to AWS. The company lacks the resources need to refactor the application, but management wants to reduce operational overhead as part of the migration.

Which database service would MOST effectively support these requirements?

- A. Amazon DynamoDB
- B. Amazon Redshift
- C. Microsoft SQL Server on Amazon EC2
- D. Amazon RDS for SQL Server

**Answer: C**

**Explanation:**

I think it is the c, because they would also have to pay for the sql server licensing, which with a reserved EC2 host they would already have and its cheaper

**Question: 781**

CertyIQ

A company is building an application on AWS. The application needs to comply with credit card regulatory requirements. The company needs proof that the AWS services and deployment are in compliance.

Which actions should the company take to meet these requirements? (Choose two.)

- A. Use Amazon Inspector to submit the application for certification
- B. Ensure that the application's underlying hardware components comply with requirements
- C. Use AWS Artifact to access AWS documents about the compliance of the services
- D. Get the compliance of the application certified by a company assessor
- E. Use AWS Security Hub to certify the compliance of the application

**Answer: CD****Explanation:**

- C. Use AWS Artifact to access AWS documents about the compliance of the services
- D. Get the compliance of the application certified by a company assessor

**Question: 782**

CertyIQ

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

- A. AWS Cloud9
- B. AWS CodeStar
- C. AWS Cloud Map
- D. AWS X-Ray

**Answer: D****Explanation:**

Reference:

<https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing>

AWS X-Ray helps developers analyze and debug production, distributed applications, such as those built using a microservices architecture. With X-Ray, you can understand how your application and its underlying services are performing to identify and troubleshoot the root cause of performance issues and errors. X-Ray provides an end-to-end view of requests as they travel through your application, and shows a map of your application's underlying components. You can use X-Ray to analyze both applications in development and in production, from simple three-tier applications to complex microservices applications consisting of thousands of services.

**Question: 783****CertyIQ**

Which AWS service or feature provides high availability and low latency within an AWS Region?

- A. Edge locations
- B. Availability Zones
- C. AWS Outposts
- D. Amazon Route 53

**Answer: B****Explanation:**

The answer is B, Availability Zones. Availability Zones are physically separate data centers within the same region that are isolated from each other in terms of power and network connectivity. By deploying applications across multiple Availability Zones, customers can achieve high availability and fault tolerance.

**Question: 784****CertyIQ**

A company deployed an Amazon EC2 instance last week. A developer realizes that the EC2 instance is no longer running. The developer reviews a list of provisioned EC2 instances, and the EC2 instance is no longer on the list.

What can the developer do to generate a recent history of the EC2 instance?

- A. Run Cost Explorer to identify the start time and end time of the EC2 instance
- B. Use Amazon Inspector to find out when the EC2 instance was stopped
- C. Perform a search in AWS CloudTrail to find all EC2 instance-related events
- D. Use AWS Secrets Manager to display hidden termination logs of the EC2 instance

**Answer: C**

**Explanation:**

<https://repost.aws/knowledge-center/ec2-windows-identify-stop-reboot> The answer is to use the Cloudtrail console

C. Perform a search in AWS CloudTrail to find all EC2 instance-related events.

Explanation: To generate a recent history of the EC2 instance that is no longer running and is not available on the list of provisioned EC2 instances, the developer can use AWS CloudTrail. AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of AWS account activity. It records and stores all AWS API calls made in an AWS account, including EC2 instance-related events.

**Question: 785**

**CertyIQ**

Which AWS service or feature is highly available by default?

- A. Amazon EC2
- B. Amazon Aurora
- C. NAT instances
- D. Amazon RDS

**Answer: B**

**Explanation:**

Amazon Aurora is designed to offer 99.99% availability, replicating 6 copies of your data across 3 Availability Zones and backing up your data continuously to Amazon S3. It transparently recovers from physical storage failures; instance failover typically takes less than 30 seconds. You can also backtrack within seconds to a previous point in time to recover from user errors. With Global Database, a single Aurora database can span multiple AWS Regions to enable fast local reads and quick disaster recovery.

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

Answer is not D since RDS includes multiple different database options and not all of them has full availability

**Question: 786**

**CertyIQ**

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

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

**Answer: B**

**Explanation:**

Predictive scaling analyzes historical traffic patterns and identifies trends and patterns to predict future traffic. It uses this information to schedule scaling actions ahead of time, which can reduce the time required to respond to traffic spikes or drops. This feature helps to ensure that the appropriate number of EC2

instances is available to handle traffic while avoiding over-provisioning, which can result in unnecessary costs.

### Question: 787

CertyIQ

A user needs the ability to access as many resources as are needed. The user also needs the ability to scale up and scale down with only a few minutes of notice.

Which benefit of the AWS Cloud describes these abilities?

- A. Reliability
- B. Economy of scale
- C. Elasticity
- D. Pay-as-you-go pricing

**Answer: C**

**Explanation:**

Reference:

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

### Question: 788

CertyIQ

A company must archive Amazon S3 data that the company's business units no longer need to access.

Which S3 storage class will meet this requirement MOST cost-effectively?

- A.S3 Glacier Instant Retrieval
- B.S3 Glacier Flexible Retrieval
- C.S3 Glacier Deep Archive
- D.S3 One Zone-Infrequent Access (S3 One Zone-IA)

**Answer: C**

**Explanation:**

S3 Glacier Deep Archive

S3 Glacier Flexible Retrieval (Formerly S3 Glacier)\*\*\* - For long-term backups and archives with retrieval option from 1 minute to 12 hours  
All Storage / Month \$0.0036 per GB  
S3 Glacier Deep Archive\*\*\* - For long-term data archiving that is accessed once or twice in a year and can be restored within 12 hours  
All Storage / Month \$0.00099 per GB

### Question: 789

CertyIQ

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine.

Which AWS database service should the company choose?

- A. Amazon DynamoDB
- B. Amazon Aurora
- C. Amazon Neptune

## D. Amazon DocumentDB (with MongoDB compatibility)

**Answer: C**

**Explanation:**

Reference:

<https://techcrunch.com/2017/11/29/amazon-introduces-an-aws-graph-database-service-called-amazon-neptune/>

" target="\_blank" style="word-break: break-all;">>

Amazon is in the middle of its **AWS Re:INVENT** keynote right now, and the company just announced a brand new database service. **Amazon Neptune** has been specifically designed for relationship graphs. So if you're thinking about building a social network feature, Neptune can help you.

The issue with traditional relational databases is that they're not made for complex social graphs with complicated lists of friends and followers. By default, you have to run demanding database queries to list the friends you have in common for instance.

So you can either throw more coal into the engine or you can optimize your database. Amazon Neptune has been optimized to handle billions of relationships and run queries within milliseconds. Neptune supports fast-failover, point-in-time recovery and Multi-AZ deployments. And you can also encrypt data at rest.

## Question: 790

CertyIQ

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

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

**Answer: C**

**Explanation:**

1. The question is poorly worded, but it suggests that it is asking for a shared responsibility, so the answer is C.
2. I would say C

## Question: 791

CertyIQ

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager

- A. AWS CloudFormation
- B. AWS Batch
- C. AWS Config

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/products/management-and-governance/use-cases/provisioning-and-orchestration/>

### Question: 792

CertyIQ

A company has an application workload that is stateless by design and can sustain occasional downtime. The application performs massively parallel computations.  
Which Amazon EC2 pricing model should the company choose for its application to reduce cost?

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

**Answer: B**

**Explanation:**

Reference:

<https://developer.ibm.com/recipes/tutorials/making-the-most-of-aws-spot-instances-5-best-practices/>

### Question: 793

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:**

Reference:

<https://aws.amazon.com/blogs/aws/user-network-to-amazon-vpc-connectivity-for-applications-hosted-on-aws/>

### Question: 794

CertyIQ

A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting.

Which AWS service should the company use?

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

**Answer: B**

**Explanation:**

AWS WAF

**CertyIQ**

**Question: 795**

Which AWS service is a relational database compatible with MySQL and PostgreSQL?

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

**Answer: C**

**Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

Amazon Aurora is a MySQL and PostgreSQL-compatible relational database built for the cloud that combines the performance and availability of traditional enterprise databases with the simplicity and cost-effectiveness of open source databases.

Amazon Aurora is up to five times faster than standard MySQL databases and three times faster than standard PostgreSQL databases. It provides the security, availability, and reliability of commercial databases at 1/10th the cost. Amazon Aurora is fully managed by Amazon Relational Database Service (RDS), which automates time-consuming administration tasks like hardware provisioning, database setup, patching, and backups.

Amazon Aurora features a distributed, fault-tolerant, self-healing storage system that auto-scales up to 128TB per database instance. It delivers high performance and availability with up to 15 low-latency read replicas, point-in-time recovery, continuous backup to Amazon S3, and replication across three Availability Zones.

Visit the [Amazon RDS Management Console](#) to create your first Aurora database instance and start migrating your MySQL and PostgreSQL databases.

**CertyIQ**

**Question: 796**

Which AWS service should a company use to continuously monitor the compliance of AWS resource

configurations?

- A. AWS Organizations
- B. AWS Config
- C. AWS Artifact
- D. AWS Service Catalog

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/config/#:~:text=AWS%20Config%20is%20a%20service,recorded%20configurations%20against%20desired%20configurations>

### Question: 797

CertyIQ

Which of the following are responsibilities of the customer in the AWS Cloud? (Choose two.)

- A. Security in the cloud
- B. Configuration of AWS infrastructure devices
- C. Configuration of security groups on Amazon EC2 instances
- D. Security of the cloud
- E. Patches for the operating system of Amazon DynamoDB

**Answer: AC**

**Explanation:**

Reference:

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

### Question: 798

CertyIQ

Which tasks can be performed by an IAM user that has been granted all of the AWS Identity and Access Management (IAM) permissions that are available? (Choose two.)

- A. Activate IAM access to the AWS Billing and Cost Management console.
- B. Close an AWS account.
- C. Turn on multi-factor authentication (MFA) for non-administrative IAM users.
- D. Change the AWS Support plan.
- E. Delegate access to another AWS account.

**Answer: CE**

**Explanation:**

C, E

A,B,D - require root user credentials -Activate IAM access to the Billing and Cost Management console. -Close your AWS account. -Change your AWS Support plan or Cancel your AWS Support plan  
<https://docs.aws.amazon.com/accounts/latest/reference/root-user-tasks.html>

### Question: 799

CertyIQ

A company has deployed an application in the AWS Cloud. The company wants to ensure that the application is highly resilient.

Which component of AWS infrastructure can the company use to meet this requirement?

- A.Content delivery network (CDN)
- B.Edge locations
- C.Wavelength Zones
- D.Availability Zones

**Answer: D**

**Explanation:**

- D. Availability Zones. It's about resiliency, not high availability
- D. Availability Zones

### Question: 800

CertyIQ

Which AWS service or feature is designed to help companies take advantage of quantity discounts available from AWS?

- A. Saving Plans
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Pricing Calculator

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/organizations/>  
" target="\_blank" style="word-break: break-all;">>

AWS Organizations helps you centrally manage and govern your environment as you grow and scale your AWS resources. Using AWS Organizations, you can programmatically create new AWS accounts and allocate resources, group accounts to organize your workflows, apply policies to accounts or groups for governance, and simplify billing by using a single payment method for all of your accounts.

In addition, AWS Organizations is integrated with other AWS services so you can define central configurations, security mechanisms, audit requirements, and resource sharing across accounts in your organization. AWS Organizations is available to all AWS customers at no additional charge.

### Question: 801

CertyIQ

A company needs to track the relationships among AWS resources. The company also needs to review resource dependencies before the company makes any changes to the resources.

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

- A.AWS Trusted Advisor
- B.AWS Config
- C.AWS Resource Access Manager (AWS RAM)
- D.AWS Systems Manager

#### Answer: B

#### Explanation:

the AWS service that the company can use to track the relationships among AWS resources and review resource dependencies before making any changes to the resources is AWS Config. The key words in the question are "track the relationships among AWS resources" and "review resource dependencies." These keywords indicate that the company is looking for an AWS service that can help them manage and understand the relationships and dependencies between their various AWS resources.

### Question: 802

CertyIQ

Which AWS service providers automated backups of data by default?

- A. Amazon S3
- B. Amazon Aurora
- C. Amazon ElastiCache for Memcached
- D. Amazon Elastic File System (Amazon EFS)

#### Answer: B

#### Explanation:

S3 is indeed a very durable object store, Aurora however seems to have the backup enabled by default, which is explicitly described in docs:

<https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/Aurora.Managing.Backups.html> Given the above, I would be inclined to answer B.

**Question: 803**

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:**

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_root-user.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html)**Question: 804**

CertyIQ

Which AWS feature grants temporary access to specific AWS resources?

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

**Answer: D****Explanation:**<https://aws.amazon.com/iam/faqs/#:~:text>You%20should%20use%20IAM%20roles,an%20IAM%20policy%20to%20grant%20temporary%20access%20to%20AWS%20resources.>**Question: 805**

CertyIQ

A company hosts its website on Amazon EC2 instances. The company needs to ensure that the website reaches a global audience and provides minimum latency to users.

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

- A. Amazon Route 53
- B. Amazon CloudFront
- C. Elastic Load Balancing
- D. AWS Lambda

**Answer: B****Explanation:**

If you use A, a DNS, you need to create multiple EC2 instances in different regions and set the Route 53 with geolocation rule, so globally distributed with low latency can be implemented. But you need many EC2 instances in different regions. If you use CDN which is CloudFront, you need a group of EC2 instances behind a load balancer and the static content will be cached and distributed from origin to edge location.

**Question: 806****CertyIQ**

A company wants to move petabytes of historical data into the AWS Cloud. The company needs to transfer the data from a remote location that does not have reliable network services.

Which AWS service will meet these requirements?

- A.AWS Snowball
- B.AWS DataSync
- C.AWS Direct Connect
- D.AWS Site-to-Site VPN

**Answer: A****Explanation:**

The AWS service that will meet the company's requirements for transferring petabytes of historical data from a remote location that does not have reliable network services is AWS Snowball.

Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of the AWS cloud. Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns.<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/services-costs/>

**Question: 807****CertyIQ**

A company needs software solutions that are hosted on the AWS platform or that are integrated with the AWS platform. The company needs solutions from independent software vendors as well as management and security vendors.

Which group or team can provide these solutions?

- A. AWS technical account managers (TAMs)
- B. AWS Partner Network (APN) Consulting Partners
- C. AWS Concierge Support
- D. AWS Partner Network (APN) Technology Partners

**Answer: D****Explanation:**

An APN Consulting Partner helps an AWS customer implement and manage an AWS cloud deployment. These types of partners include system integrators, managed services providers, and other consultancies and agencies. An APN Technology Partner provides software tools and services that are hosted on or integrate with AWS

**Question: 808****CertyIQ**

Which AWS service or tool gives a company the ability to release application changes in an automated way?

- A. Amazon AppFlow

- B. AWS CodeDeploy
- C. AWS PrivateLink
- D. Amazon EKS Distro

**Answer: B**

**Explanation:**

Reference:

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

**CertyIQ**

### Question: 809

A company's compliance officer wants to review the AWS Service Organization Control (SOC) reports. Which AWS service or feature should the compliance officer use to complete this task?

- A. AWS Artifact
- B. AWS Concierge Support
- C. AWS Support
- D. AWS Trusted Advisor

**Answer: A**

**Explanation:**

Reference:

[https://aws.amazon.com/compliance/soc-faqs/  
" target="\\_blank" style="word-break: break-all;">>](https://aws.amazon.com/compliance/soc-faqs/)

## Overview



AWS System and Organization Controls (SOC) Reports are independent third-party examination reports that demonstrate how AWS achieves key compliance controls and objectives. The purpose of these reports is to help you and your auditors understand the AWS controls established to support operations and compliance. There are five AWS SOC Reports:

- AWS SOC 1 Report, available to AWS customers from [AWS Artifact](#).
- AWS SOC 2 Security, Availability & Confidentiality Report, available to AWS customers from [AWS Artifact](#).
- AWS SOC 2 Security, Availability & Confidentiality Report available to AWS customers from [AWS Artifact](#) (scope includes Amazon DocumentDB only).
- AWS SOC 2 Privacy Type I Report, available to AWS customers from [AWS Artifact](#).
- AWS SOC 3 Security, Availability & Confidentiality Report, [publicly available as a whitepaper](#).

### Question: 810

**CertyIQ**

A company wants to build an application that consists entirely of microservices.

Which AWS Cloud architecture design principle supports this goal?

- A.Think parallel
- B.Implement elasticity
- C.Stop guessing capacity
- D.Decouple components

**Answer: D**

**Explanation:**

D - It's about loosely components

The AWS Cloud architecture design principle that supports the goal of building an application consisting entirely of microservices is "Decouple components."

**CertyIQ**

**Question: 811**

Which pillar of the AWS Well Architected Framework includes the design principle of defining workloads, applications, and infrastructure as code (IaC)?

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

**Answer: A**

**Explanation:**

The pillar of the AWS Well-Architected Framework that includes the design principle of defining workloads, applications, and infrastructure as code (IaC) is "Operational Excellence." Operational excellence is one of the five pillars of the AWS Well-Architected Framework. It focuses on the ability to run and monitor systems to deliver business value and to continually improve supporting processes and procedures. Defining workloads, applications, and infrastructure as code (IaC) is a key design principle of operational excellence that enables the company to provision and manage infrastructure, applications, and services using code and automation. This approach can help increase consistency, reduce errors, and enable faster and more reliable deployments.

**CertyIQ**

**Question: 812**

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

- A. File storage
- B. Object storage
- C. Block storage
- D. Instance store

**Answer: A**

**Explanation:**

Reference:

<https://pilotcoresystems.com/insights/ebs-efs-fsx-s3-how-these-storage-options-differ>

CertyIQ

**Question: 813**

Which AWS service or feature improves network performance by sending traffic through the AWS worldwide network infrastructure?

- A. Route table
- B. AWS Transit Gateway
- C. AWS Global Accelerator
- D. Amazon VPC

**Answer: C**

**Explanation:**

Reference:

<https://aws.amazon.com/global-accelerator/?blogs-global-accelerator.sort-by=item.additionalFields.createdDate&blogs-global-accelerator.sort-order=desc&aws-global-accelerator-wn.sort-by=item.additionalFields.postDateTime&aws-global-accelerator-wn.sort-order=desc>

AWS Global Accelerator is a networking service that improves the performance of your users' traffic by up to 60% using Amazon Web Services' global network infrastructure. When the internet is congested, AWS Global Accelerator optimizes the path to your application to keep packet loss, jitter, and latency consistently low.

With Global Accelerator, you are provided two global static public IPs that act as a fixed entry point to your application, improving availability. On the back end, add or remove your AWS application endpoints, such as Application Load Balancers, Network Load Balancers, EC2 Instances, and Elastic IPs without making user-facing changes. Global Accelerator automatically re-routes your traffic to your nearest healthy available endpoint to mitigate endpoint failure.

Set up your accelerator on the AWS Management Console in minutes with [step-by-step documentation](#) or with one click in the Elastic Load Balancing Console. Learn more by following the [self-service workshop](#) and test performance benefits from your location with the [AWS Global Accelerator speed comparison tool](#).

#### Question: 814

CertyIQ

A company is designing a new application that will store and retrieve millions of photos and videos. Which AWS service or feature can provide the underlying storage at the LOWEST cost?

- A. Amazon EC2 instance store
- B. Amazon Elastic Block Store (Amazon EBS)
- C. Amazon S3
- D. Amazon Simple Queue Service (Amazon SQS)

#### Answer: C

#### Explanation:

Is S3 cheaper than EC2?

Either way, you're paying for transfer and storage, so it should be cheaper in all cases to just use S3 for file

hosting. EC2 should always be more expensive because you're paying for the time the instance is running in addition to storage and transfer

### Question: 815

CertyIQ

Which AWS service or feature can simplify the management of hundreds of VPC connections across AWS Regions worldwide?

- A. AWS Transit Gateway
- B. Amazon Connect
- C. Security groups
- D. VPC peering

### Answer: A

#### Explanation:

Reference:

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

## Benefits of using AWS Transit Gateway

### Easier connectivity

AWS Transit Gateway acts as a cloud router to simplify your network architecture. As your network grows, the complexity of managing incremental connections doesn't slow you down. When building global applications, you can connect AWS Transit Gateways using inter-Region peering.

### Better visibility and control

With AWS Transit Gateway Network Manager, you can easily monitor your Amazon VPCs and edge connections from a central console. Integrated with popular SD-WAN devices, AWS Transit Gateway Network Manager helps you quickly identify issues and react to events on your global network.

### Improved security

Traffic between an Amazon VPC and AWS Transit Gateway remains on the AWS global private network and is not exposed to the public internet. AWS Transit Gateway inter-Region peering encrypts all traffic, with no single point of failure or bandwidth bottleneck. This helps protect against distributed denial of service (DDoS) attacks and other common exploits.

### Flexible multicast

AWS Transit Gateway multicast support distributes the same content to multiple specific destinations. This eliminates the need for expensive on-premises multicast networks and reduces the bandwidth needed for high-throughput applications such as video conferencing, media, or teleconferencing.

### Question: 816

CertyIQ

A cloud practitioner wants information on the state of an existing AWS environment compared against established best practices.

Which AWS services or features should the cloud practitioner use to obtain this information? (Choose two.)

- A. AWS Artifact

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

**Answer: A**

**Explanation:**

1. Does somebody think If there are "industry standards" it should be Artifact?

**CertyIQ**

### Question: 817

Which task is shared between AWS and the customer, according to the AWS shared responsibility model?

- A. Physical and environmental controls
- B. Server hardware management and encryption
- C. Application security
- D. Patch management and configuration management

**Answer: D**

**Explanation:**

Shared Controls " Controls which apply to both the infrastructure layer and customer layers, but in completely separate contexts or perspectives. In a shared control, AWS provides the requirements for the infrastructure and the customer must provide their own control implementation within their use of AWS services.

Examples include:

- ⇒ Patch Management " AWS is responsible for patching and fixing flaws within the infrastructure, but customers are responsible for patching their guest OS and applications.
- ⇒ Configuration Management " AWS maintains the configuration of its infrastructure devices, but a customer is responsible for configuring their own guest operating systems, databases, and applications.

Reference:

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

**CertyIQ**

### Question: 818

What is an example of a decoupled, scalable, cloud-based application?

- A. A mail and log application that runs on a single Amazon EC2 instance
- B. A webpage that is hosted on Amazon S3 and uses AWS Lambda to update an Amazon DynamoDB database
- C. An Application Load Balancer, web server, and database server that support a monolithic application
- D. A legacy database server that is running on the maximum instance size supported by its license

**Answer: B**

**Explanation:**

monolithic application is not decoupled

**Question: 819**

CertyIQ

A company wants to design its cloud architecture so that its workloads are resilient, can consistently perform their intended functions correctly, and can recover from failure quickly.

Which pillar of the AWS Well-Architected Framework does this architecture represent?

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

**Answer: D****Explanation:**

The answer is (D) Reliability Pillar. The reliability pillar focuses on workloads performing their intended functions and how to recover quickly from failure to meet demands. Key topics include distributed system design, recovery planning, and adapting to changing requirements. Performance Efficiency Pillar. The performance efficiency pillar focuses on structured and streamlined allocation of IT and computing resources. Key topics include selecting resource types and sizes optimized for workload requirements, monitoring performance, and maintaining efficiency as business needs evolve.

**Question: 820**

CertyIQ

A company wants to access a report about the estimated environmental impact of the company's AWS usage.

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

- A.AWS Organizations
- B.IAM policy
- C.AWS Billing console
- D.Amazon Simple Metrication Service (Amazon SNS)

**Answer: C****Explanation:**

1. Log in to the AWS Management Console.
2. Go to the AWS Billing and Cost Management Dashboard.
3. Click on "Reports" from the left-hand menu.
4. Select "Cost and Usage Report".
5. Choose the desired time period and the appropriate AWS account.
6. Scroll down to the "Resource IDs" section and click on "Download" to save the report as a CSV file.
7. Open the CSV file using a spreadsheet program like Microsoft Excel or Google Sheets.
8. Look for the "UsageType" column in the CSV file and filter it to show only the entries related to the company's AWS usage.
9. Look for the "CarbonUsageQuantity" and "CarbonUsageAmount" columns to see the estimated carbon emissions and associated costs related to the company's AWS usage.

**Question: 821**

CertyIQ

Which AWS service or feature is an example of a relational database management system?

- A.Amazon Athena
- B.Amazon Redshift

C.Amazon S3 Select

D.Amazon Kinesis Data Streams

**Answer: B**

**Explanation:**

The AWS service that is an example of a relational database management system is Amazon Redshift (option B).Amazon Redshift is a fully-managed, petabyte-scale data warehouse service that enables businesses to analyze data using standard SQL and Business Intelligence (BI) tools. It is designed to handle large-scale, relational datasets, making it an example of a relational database management system (RDBMS).

**Question: 822**

**CertyIQ**

A software engineer wants to launch a virtual machine (VM) and MySQL database on AWS.

Which AWS service will meet these requirements with the LEAST operational effort?

- A.Amazon Elastic Container Service (Amazon ECS)
- B.AWS Elastic Beanstalk
- C.Amazon Lightsail
- D.Amazon EC2

**Answer: C**

**Explanation:**

Amazon Lightsail - Build applications and websites fast with low-cost, pre-configured cloud resources

C. Amazon Lightsail

**Question: 823**

**CertyIQ**

A company wants to automate the retention, creation, and deletion of Amazon Elastic Block Store (Amazon EBS) snapshots.

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

- A. AWS Organizations
- B. Amazon Data Lifecycle Manager (Amazon DLM)
- C. AWS Systems Manager
- D. Amazon S3 Lifecycle policies

**Answer: B**

**Explanation:**

Reference:

<https://aws.amazon.com/blogs/storage/automating-amazon-ebs-snapshots-management-using-data-lifecycle-manager/>

**Question: 824**

CertyIQ

Which pillar of the AWS Well-Architected Framework focuses on the ability to recover automatically from service interruptions?

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

**Answer: D****Explanation:**

Resiliency is the ability of a workload to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions, such as misconfigurations or transient network issues.

**Reference:**

<https://docs.aws.amazon.com/wellarchitected/latest/reliability-pillar/wellarchitected-reliability-pillar.pdf>

**Question: 825**

CertyIQ

Which of the following are advantages of using AWS for cloud computing? (Choose two.)

- A. Users can increase speed and agility by deploying services with just one click.
- B. Users receive a discount on hardware that they purchase for their data centers.
- C. Users can reserve excess capacity to ensure that resources are always available.
- D. Users trade variable expenses for capital expenses.
- E. Users benefit from massive economies of scale.

**Answer: AE****Explanation:****Reference:**

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

**Trade capital expense for variable expense** – Instead of having to invest heavily in data centers and servers before you know how you're going to use them, you can pay only when you consume computing resources, and pay only for how much you consume.

**Benefit from massive economies of scale** – By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.

**Stop guessing capacity** – Eliminate guessing on your infrastructure capacity needs. When you make a capacity decision prior to deploying an application, you often end up either sitting on expensive idle resources or dealing with limited capacity. With cloud computing, these problems go away. You can access as much or as little capacity as you need, and scale up and down as required with only a few minutes' notice.

**Increase speed and agility** – In a cloud computing environment, new IT resources are only a click away, which means that you reduce the time to make those resources available to your developers from weeks to just minutes. This results in a dramatic increase in agility for the organization, since the cost and time it takes to experiment and develop is significantly lower.

**Stop spending money running and maintaining data centers** – Focus on projects that differentiate your business, not the infrastructure. Cloud computing lets you focus on your own customers, rather than on the heavy lifting of racking, stacking, and powering servers.

**Go global in minutes** – Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide lower latency and a better experience for your customers at minimal cost.

### Question: 826

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:

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/real-time-communication-on-aws/cross-region-dns-based-load-balancing-and-failover.html>

### Question: 827

CertyIQ

Which action is consistent with the principle of least privilege in terms of AWS Cloud architecture?

- A. Allow users the minimum access that is needed to do a task.
- B. Prevent managers from accessing important source code.
- C. Provide only the permissions that are needed for users to do their jobs in the current month.
- D. Assign permissions that are based on job titles.

**Answer: A**

**Explanation:**

- A. Allow users the minimum access that is needed to do a task.

See here:

<https://aws.amazon.com/blogs/security/techniques-for-writing-least-privilege-iam-policies>

**CertyIQ**

**Question: 828**

A company is reviewing its operating policies.

Which policy complies with guidance in the security pillar of the AWS Well-Architected Framework?

- A. Ensure that employees have access to all company data.
- B. Expand employees' permissions as they gain more experience.
- C. Grant all privileges and access to all users.
- D. Apply security requirements at all layers of a process.

**Answer: D**

**Explanation:**

The correct answer is D. Applying security requirements at all layers of a process is in compliance with the guidance in the security pillar of the AWS well-architected framework. This includes applying security controls at the network, host, application, and data layers. This approach helps to protect against threats and reduce risk.

**CertyIQ**

**Question: 829**

An ecommerce company recently started using the AWS Cloud.

Which security-related tasks are the company's responsibility? (Choose two.)

- A. Restrict who is allowed physical access to the hosts that run the company's Amazon EC2 instances.
- B. Install security patches on Amazon EC2 Linux instances.
- C. Choose to encrypt data at rest that is stored on Amazon S3.
- D. Wipe Amazon Elastic Block Store (Amazon EBS) volumes clean before they are decommissioned.
- E. Conduct database patching for Amazon RDS instances.

**Answer: BC**

**Explanation:**

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

**Question: 830**

CertyIQ

Which AWS service or tool creates an audit log of all AWS resources that have been created?

- A. Amazon CloudFront
- B. Amazon CloudWatch
- C. AWS CloudTrail
- D. AWS Application Migration Service (CloudEndure Migration)

**Answer: C****Explanation:**

AWS CloudTrail, AWS Config, and AWS Config Rules provide audit and change tracking features for auditing AWS resource changes.

**Reference:**

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/audit-accountability.html>

**Question: 831**

CertyIQ

According to the AWS shared responsibility model, who is responsible for the virtualization layer down to the physical security of the facilities in which AWS services operate?

- A. It is the sole responsibility of the customer.
- B. It is the sole responsibility of AWS.
- C. It is a shared responsibility between AWS and the customer.
- D. The customer's AWS Support plan tier determines who manages the configuration.

**Answer: B****Explanation:**

Correct answer is B as indicated in the excerpt from the shred link:

AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates

**Question: 832**

CertyIQ

Which AWS services are eligible for a Compute Savings Plan? (Choose two.)

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

**Answer: AE****Explanation:**

Compute Savings Plans provide the most flexibility and help to reduce your costs by up to 66%. These plans automatically apply to EC2 instance usage regardless of instance family, size, AZ, Region, OS or tenancy, and also apply to Fargate or Lambda usage.

Reference:

<https://aws.amazon.com/savingsplans/compute-pricing/>

### Question: 833

CertyIQ

A company needs to use AWS Identity and Access Management (IAM) to attach an IAM policy to all IAM users in an AWS account.

Which solution meets this requirement?

- A. Attach the IAM policy to each IAM user.
- B. Attach the IAM policy to the IAM group containing all the IAM users.
- C. Attach the IAM policy to the IAM role containing all the IAM users.
- D. Apply the IAM policy to the entire AWS account.

Answer: B

Explanation:

IAM groups allow assign privileges to users, IAM roles only grant temporary access for users to complete requests and are not associated with users or groups

### Question: 834

CertyIQ

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

- A.AWS VPN
- B.AWS Directory Service
- C.AWS Data Pipeline
- D.AWS Direct Connect
- E.AWS CloudHSM

Answer: AD

Explanation:

The correct options are A (AWS VPN) and D (AWS Direct Connect).AWS VPN allows customers to establish a secure and private connection between their on-premises network and their VPC (Virtual Private Cloud) on AWS.AWS Direct Connect is a dedicated network connection from a customer's on-premises data center to AWS. It allows customers to bypass the public internet and establish a private, high bandwidth and low-latency connection to their AWS resources.

### Question: 835

CertyIQ

Which AWS service is an in-memory data store service?

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

**Answer: D**

**Explanation:**

Amazon ElastiCache is a fully managed, in-memory caching service supporting flexible, real-time use cases.

Amazon Web Services (AWS) provides several services for in-memory data storage, but the most notable ones are Amazon ElastiCache and Amazon DynamoDB Accelerator (DAX).

Reference:

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

### Question: 836

CertyIQ

A company wants high levels of detection and near-real-time (NRT) mitigation against large and sophisticated distributed denial of service (DDoS) attacks on applications running on AWS.

Which AWS service should the company use?

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

**Answer: C**

**Explanation:**

AWS Shield Advanced

### Question: 837

CertyIQ

A company has an Amazon S3 bucket containing images of scanned financial invoices. The company is building an artificial intelligence (AI)-based application on AWS. The company wants the application to identify and read total balance amounts on the invoices.

Which AWS service will meet these requirements?

- A. Amazon Forecast
- B. Amazon Textract
- C. Amazon Rekognition
- D. Amazon Lex

**Answer: B**

**Explanation:**

## Amazon Textract

Amazon Textract is a machine learning (ML) service that automatically extracts text, handwriting, and data from scanned documents. It goes beyond simple optical character recognition (OCR) to identify, understand, and extract data from forms and tables.

CertyIQ

### Question: 838

A company wants to migrate its high performance computing (HPC) application to Amazon EC2 instances. The application has multiple components. The application must have fault tolerance and must have the ability to fail over automatically.

Which AWS infrastructure solution will meet these requirements with the LEAST latency between components?

- A.Multiple AWS Regions
- B.Multiple edge locations
- C.Multiple Availability Zones
- D.Regional edge caches

**Answer: C**

**Explanation:**

The current web page context provides information on how to achieve fault tolerance and resilience in Amazon EC2. According to the documentation, AWS recommends that you deploy EC2 hosts across multiple Availability Zones to make your application more fault tolerant. Therefore, option C is the best choice as it allows the deployment of the application on EC2 instances in multiple Availability Zones within a single AWS Region. This ensures that the application can provide low latency between components while also having fault tolerance capabilities.

CertyIQ

### Question: 839

Which AWS service provides recommendations for rightsizing AWS resources such as Amazon EC2 instances, Amazon Elastic Block Store (Amazon EBS) volumes, and Amazon RDS databases to help users reduce costs?

- A. Amazon Inspector
- B. AWS Trusted Advisor
- C. AWS Service Health Dashboard
- D. Amazon Forecast

**Answer: B**

**Explanation:**

B - AWS Trusted Advisor

CertyIQ

### Question: 840

Making frequent, small, reversible changes is a design principle of which pillar of the AWS Well-Architected Framework?

- A. Reliability
- B. Operational excellence
- C. Performance efficiency
- D. Cost optimization

**Answer: B**

**Explanation:**

Make frequent, small, reversible changes.

Reference:

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

**CertyIQ**

### Question: 841

Which factors affect costs in the AWS Cloud? (Choose two.)

- A. The number of unused AWS Lambda functions
- B. The number of configured Amazon S3 buckets
- C. Inbound data transfers without acceleration
- D. Outbound data transfers without acceleration
- E. Compute resources that are currently in use

**Answer: DE**

**Explanation:**

D. Outbound data transfers without acceleration.

E. Compute resources that are currently in use.

Reference:

<https://aws.amazon.com/blogs/aws/aws-lowers-its-pricing-again-free-inbound-data-transfer-and-lower-outbound-data-transfer-for-all-ser/>

**CertyIQ**

### Question: 842

A company hosts an application on multiple Amazon EC2 instances. The application uses Amazon Simple Notification Service (Amazon SNS) to send messages.

Which AWS service or feature will give the application permission to access required AWS services?

- A. AWS Certificate Manager (ACM)
- B. IAM roles
- C. AWS Security Hub
- D. Amazon GuardDuty

**Answer: B**

**Explanation:**

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group.

Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.

Reference:

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

CertyIQ

### Question: 843

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:**

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

CertyIQ

### Question: 844

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

- A. Maintain the security of the AWS Cloud.
- B. Configure firewalls and networks.
- C. Patch the operating system of Amazon RDS instances.
- D. Implement physical and environmental controls.

**Answer: B**

**Explanation:**

Answer is B!

Customers are responsible for Security in the Cloud while AWS are responsible for Security of the Cloud

CertyIQ

### Question: 845

Which activity is considered out of scope for AWS Support?

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

**Answer: D**

**Explanation:**

D. Tuning database queries. AWS Support provides technical support for AWS services and features, which includes answering "how to" questions, resolving service issues, and providing guidance and best practices. However, tuning database queries is typically considered the responsibility of the customer or the application development team, as it involves optimizing the database schema, indexing, and query structure to improve performance. AWS Support can provide guidance and recommendations on best practices for database optimization, but actual query tuning would be out of scope for their services.

**Question: 846****CertyIQ**

For which AWS service is the customer responsible for maintaining the underlying operating system?

- A. Amazon DynamoDB
- B. Amazon S3
- C. Amazon EC2
- D. AWS Lambda

**Answer: C****Explanation:**

Amazon EC2

**Question: 847****CertyIQ**

A company is moving its on-premises key-value database to the AWS Cloud. Which AWS service will support this use case?

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

**Answer: C****Explanation:**

They chose Amazon DynamoDB as their key-value database.

**Reference:**

<https://docs.aws.amazon.com/prescriptive-guidance/latest/strategy-database-migration/strategy-database-migration.pdf>

**Question: 848****CertyIQ**

According to the AWS shared responsibility model, which of the following is the responsibility of AWS?

- A. Data encryption in transit
- B. Firmware updates on hardware
- C. Operating system patching on Amazon EC2 instances
- D. Data encryption at rest

**Answer: B**

**Explanation:**

Reference:

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

CertyIQ

**Question: 849**

Which AWS service or resource is serverless?

- A.AWS Snowball Edge
- B.Amazon EC2
- C.Amazon Elastic Kubernetes Service (Amazon EKS)
- D.Amazon API Gateway

**Answer: D**

**Explanation:**

Amazon API Gateway is a fully managed service that allows developers to create, publish, and manage APIs at any scale. It provides a way for developers to create RESTful APIs that can interact with AWS Lambda functions, Amazon EC2 instances, or any publicly accessible web service. Amazon EKS, on the other hand, is a fully managed service that allows developers to deploy, manage, and scale containerized applications using Kubernetes on AWS. The key difference between the two services is that Amazon API Gateway is used to manage APIs and provide a serverless endpoint to execute backend logic, while Amazon EKS is used to deploy and manage containerized applications on Kubernetes. Therefore, if the question is asking for a serverless service, the answer would be Amazon API Gateway. However, if the question is asking for a managed Kubernetes service, the answer would be Amazon EKS.

CertyIQ

**Question: 850**

A company has all of its servers in the us-east-1 Region. The company is considering the deployment of additional servers in a different Region.

Which AWS tool should the company use to find pricing information for other Regions?

- A. Cost Explorer
- B. AWS Budgets
- C. AWS Purchase Order Management
- D. AWS Pricing Calculator

**Answer: D**

**Explanation:**

D is correct.

AWS Purchase Order Management gives you the ability to define and manage POs in a way that meets your unique business needs But the question is about getting estimated price in new Region

A user is designing a service to align with the operational excellence pillar of the AWS Well-Architected Framework.

Which design principle should the user follow?

- A. Anticipate failure
- B. Make large-scale changes
- C. Perform manual operations
- D. Create static operational procedures

**Answer: A****Explanation:**

Reference:

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

" target="\_blank" style="word-break: break-all;">>

## 1. Operational Excellence

The Operational Excellence pillar includes the ability to support development and run workloads effectively, gain insight into their operation, and continuously improve supporting processes and procedures to delivery business value. You can find prescriptive guidance on implementation in the [Operational Excellence Pillar whitepaper](#).

### Design Principles

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

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

A company wants to configure a dedicated connection between its on-premises IT infrastructure and resources in an AWS Region. The company also wants to reduce network latency and congestion.

Which AWS service or feature should the company choose?

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

**Answer: D****Explanation:**

Reference:

[https://aws.amazon.com/directconnect/  
" target="\\_blank" style="word-break: break-all;">>](https://aws.amazon.com/directconnect/)

## How it works

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. This reduces the chance of hitting bottlenecks or unexpected increases in latency. When creating a new connection, you can choose a hosted connection provided by an AWS Direct Connect Delivery Partner, or choose a dedicated connection from AWS—and deploy at over 100 AWS Direct Connect Locations around the globe. With AWS Direct Connect SiteLink, you can send data between AWS Direct Connect locations to create private network connections between the offices and data centers in your global network.

### Question: 853

CertyIQ

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

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

**Answer: B**

**Explanation:**

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks.

These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas

### Question: 854

CertyIQ

A company is planning to create a new application that will run on Amazon EC2 instances and back up data on Amazon Elastic Block Store (EBS) volumes to Amazon S3. The company wants to estimate the monthly costs of running the application before making a deployment decision.

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

- A. Cost Explorer
- B. AWS Pricing Calculator
- C. AWS Cost and Usage Report
- D. AWS Budgets

**Answer: B**

**Explanation:**

To estimate a bill, use the AWS Pricing Calculator. Choose Create estimate, and then choose your planned resources by service. The AWS Pricing Calculator provides an estimated cost per month.

**Reference:**

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

**Question: 855**

CertyIQ

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:**

VPC Endpoints connect VPC to AWS Services

VPC Peerings and Transit Gateways are connections between VPCs

**Question: 856**

CertyIQ

A company is planning to host a large ecommerce application in the AWS Cloud. The company must create an architecture that provides protection against network-based security issues, such as DDoS attacks. Which AWS services should the company use to meet this requirement? (Choose two.)

- A. Amazon Inspector
- B. Amazon GuardDuty
- C. Amazon CloudFront
- D. AWS Shield
- E. AWS Identity and Access Management (IAM)

**Answer: BD****Explanation:**

1. Correct answer B & D
2. If cloudfront and shield option chosen you would have ddos and ddos and left open for other stuff that guardduty would catch

**Question: 857**

CertyIQ

Which AWS service or tool provides recommendations to help users get rightsized Amazon EC2 instances based on historical workload usage data?

- A.AWS Pricing Calculator
- B.AWS Compute Optimizer
- C.AWS App Runner
- D.AWS Systems Manager

**Answer: B****Explanation:**

**Question: 858**

A company is based in a location without an AWS Region but wants to move some of its Windows file servers to AWS. The data must reside in the location that the company is based in.

Which AWS service will meet these requirements?

- A.AWS Outposts
- B.AWS Local Zones
- C.Amazon EC2
- D.Amazon FSx for Windows File Server

**Answer: B****Explanation:**

Local zones is correct answer - B

**Question: 859**

A company needs to send time-critical messages to multiple subscribers through a push mechanism. Which AWS service should the company use?

- A. Amazon Kinesis
- B. Amazon MQ
- C. Amazon Simple Queue Service (Amazon SQS)
- D. Amazon Simple Notification Service (Amazon SNS)

**Answer: D****Explanation:**

Amazon SNS allows applications to send time-critical messages to multiple subscribers through a push mechanism

**Reference:**

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

**Question: 860**

Which AWS feature grants temporary access to specific AWS resources?

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

**Answer: D**

## Explanation:

Reference:

[https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_credentials\\_temp\\_use-resources.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_use-resources.html)

## Using temporary credentials in Amazon EC2 instances

If you want to run AWS CLI commands or code inside an EC2 instance, the recommended way to get credentials is to use [roles for Amazon EC2](#). You create an IAM role that specifies the permissions that you want to grant to applications that run on the EC2 instances. When you launch the instance, you associate the role with the instance.

Applications, AWS CLI, and Tools for Windows PowerShell commands that run on the instance can then get automatic temporary security credentials from the instance metadata. You do not have to explicitly get the temporary security credentials. The AWS SDKs, AWS CLI, and Tools for Windows PowerShell automatically get the credentials from the EC2 instance metadata service and use them. The temporary credentials have the permissions that you define for the role that is associated with the instance.

For more information and for examples, see the following:

- [Using IAM Roles to Grant Access to AWS Resources on Amazon Elastic Compute Cloud — AWS SDK for Java](#)
- [Granting Access Using an IAM Role — AWS SDK for .NET](#)
- [Creating a Role — AWS SDK for Ruby](#)

## Question: 861

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:

Learn from all operational failures: Drive improvement through lessons learned from all operational events and failures. Share what is learned across teams and through the entire organization.

Reference:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/wellarchitected-framework.pdf>

## Question: 862

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:**

After you have your stacks and resources set up, you can reuse your templates to replicate your infrastructure in multiple environments.

**Reference:**

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

**CertyIQ**

**Question: 863**

A company's solutions architect wants to provision a few Amazon EC2 instances in an existing AWS account. The company requires a cost estimate before the company can approve the request.  
Which AWS tool should the solutions architect use to produce the cost estimate?

- A. AWS Pricing Calculator
- B. Cost Explorer
- C. AWS Cost and Usage Report
- D. AWS Budgets

**Answer: A**

**Explanation:**

A

want to deploy a few Amazon EC2 instances in an already-existing AWS account. Before the firm can accept the request, it wants a cost estimate" the company need an estimate, is not usign actually EC2

**CertyIQ**

**Question: 864**

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

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

**Answer: C**

**Explanation:**

The question states "resolve network connection difficulties between Amazon EC2 instances", and one of the feature of VPC Flow logs is "Monitoring the traffic that is reaching your instance"..

so my option is C is the correct ans

**Question: 865**

CertyIQ

Which AWS Support plan provides access to an AWS Concierge Support team for account assistance?

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

**Answer: A****Explanation:**

A. AWS Enterprise Support" AWS Enterprise Support provides you with concierge-like service where the main focus is helping you achieve your outcomes and find success in the cloud. With Enterprise Support, you get 24/7 technical support from high-quality engineers, tools and technology to automatically manage health of your environment. You will also get access to a Technical Account Manager (TAM) who will provide consultative architectural and operational guidance delivered in the context of your applications and use-cases to help you achieve the greatest value from AWS."<https://aws.amazon.com/premiumsupport/plans/enterprise/>

**Question: 866**

CertyIQ

A company wants to minimize network latency between its Amazon EC2 instances.

Which solution achieves this goal?

- A.Use EC2 instances in a single Availability Zone.
- B.Use EC2 instances in multiple AWS Regions.
- C.Use EC2 instances in multiple edge locations.
- D.Use EC2 instances in the same Availability Zone but in different AWS Regions.

**Answer: A****Explanation:**

Use EC2 instances in a single Availability Zone.

**Question: 867**

CertyIQ

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

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

**Answer: D****Explanation:**

**Question: 868**

Which AWS service or feature offers security for a VPC by acting as a firewall to control traffic in and out of subnets?

- A.AWS Security Hub
- B.Security groups
- C.Network ACL
- D.AWS WAF

**Answer: C**

**Explanation:**

C. Network ACLs are for subnets, while security groups are for instances.

**Question: 869**

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A.IAM policies
- B.Server-side encryption
- C.Amazon GuardDuty
- D.Client-side encryption

**Answer: B**

**Explanation:**

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/serv-side-encryption.html>

**Question: 870**

Which AWS service is always free of charge for users?

- A.Amazon S3
- B.Amazon Aurora
- C.Amazon EC2
- D.AWS Identity and Access Management (IAM)

**Answer: D**

**Explanation:**

D. AWS Identity and Access Management (IAM)

**Question: 871**

CertyIQ

A developer wants to use an Amazon S3 bucket to store application logs that contain sensitive data.

Which AWS service or feature should the developer use to restrict read and write access to the S3 bucket?

- A.Security groups
- B.Amazon CloudWatch
- C.AWS CloudTrail
- D.ACUs

**Answer: D****Explanation:**

1. D. ACLs (Access Control Lists) Access Control Lists (ACLs) in Amazon S3 allow you to control access to your S3 resources at a more granular level. With ACLs, you can specify individual permissions for different AWS accounts or groups of accounts. By configuring the ACLs for the S3 bucket, the developer can restrict read and write access to only authorized entities, ensuring the security of the sensitive application logs. Security groups (option A) are used for controlling inbound and outbound traffic to EC2 instances, not for controlling access to S3 buckets. Amazon CloudWatch (option B) is a monitoring service, and AWS CloudTrail (option C) is a service for logging and tracking API activity within your AWS account, but they are not directly related to restricting access to S3 buckets.
2. Amazon S3 access control lists (ACLs) enable you to manage access to S3 buckets and objects. Every S3 bucket and object has an ACL attached to it as a subresource. The ACLs define which AWS accounts or groups are granted access along with the type of access c

**Question: 872**

CertyIQ

A company deploys its application to multiple AWS Regions and configures automatic failover between those Regions.

Which cloud concept does this architecture represent?

- A.Security
- B.Reliability
- C.Scalability
- D.Cost optimization

**Answer: B****Explanation:**

Reliability refers to the ability of a system or application to operate continuously and consistently without interruption or failure. By deploying the application across multiple AWS Regions and configuring automatic failover, the company ensures that the application remains available even if one of the Regions or components experiences a disruption or failure.

**Question: 873**

CertyIQ

A company wants to centrally manage security policies and billing services within a multi-account AWS environment.

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

- A.AWS Identity and Access Management (IAM)
- B.AWS Organizations
- C.AWS Resource Access Manager (AWS RAM)
- D.AWS Config

**Answer: B**

**Explanation:**

B. AWS Organizations

"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 includes account management and consolidated billing capabilities that enable you to better meet the budgetary, security, and compliance needs of your business. As an administrator of an organization, you can create accounts in your organization and invite existing accounts to join the organization."

Reference:

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

**Question: 874**

**CertyIQ**

A company wants to use an Amazon EC2 instance that has a pre-installed third-party firewall.

Which AWS service or feature can provide this solution?

- A.Security groups
- B.AWS Marketplace
- C.AWS Systems Manager
- D.AWS Certificate Manager (ACM)

**Answer: B**

**Explanation:**

AWS Marketplace is an online store where you can find pre-configured third-party software and services that are ready to use on Amazon EC2 instances. It offers a wide selection of third-party firewall solutions that can be deployed on EC2 instances to enhance the security of your infrastructure. These pre-installed firewall solutions can help protect your applications and data from unauthorized access and threats.

**Question: 875**

**CertyIQ**

What does “security of the cloud” refer to in the AWS shared responsibility model?

- A.Availability of AWS services such as Amazon EC2
- B.Security of the cloud infrastructure that runs all the AWS services
- C.Implementation of password policies for IAM users
- D.Security of customer environments by using AWS Network Firewall partners

**Answer: B**

**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.

**Question: 876****CertyIQ**

A company wants to push VPC Flow Logs to an Amazon S3 bucket.

Which action is the company’s responsibility?

- A.Managing the infrastructure that runs the S3 bucket
- B.Managing the data in transit
- C.Managing the encryption options on the S3 bucket
- D.Managing the operating system updates on the S3 bucket

**Answer: C****Explanation:**

Managing the encryption options on the S3 bucket

**Question: 877****CertyIQ**

Which guidelines are best practices for using AWS Identity and Access Management (IAM)? (Choose two.)

- A.Share access keys.
- B.Create individual IAM users.
- C.Use inline policies instead of customer managed policies.
- D.Grant maximum privileges to IAM users.
- E.Use groups to assign permissions to IAM users.

**Answer: BE****Explanation:**

The best practices for using AWS Identity and Access Management (IAM) are:  
Create individual IAM users. This allows you to have more control over each user’s permissions and access keys.  
Use groups to assign permissions to IAM users. This makes it easier to manage permissions for multiple users at once.  
Option A is incorrect because sharing access keys is not a best practice and can lead to security issues.  
Option C is incorrect because customer managed policies are more flexible and easier to manage than inline policies.  
Option D is incorrect because granting maximum privileges to IAM users can lead to security issues.

B. Create individual IAM users: It is recommended to create individual IAM users for each person or entity accessing your AWS resources. This allows for better accountability and control over access permissions. Each user should have a unique set of credentials to access the AWS account.  
E. Use groups to assign permissions to IAM users: Groups in IAM allow you to group users with similar roles and responsibilities together and assign permissions to the group. This simplifies permission management, as you can assign or revoke permissions for multiple users by managing the group's permissions instead of individual user permissions.

**Question: 878**

CertyIQ

A company needs to apply security rules to specific Amazon EC2 instances.

Which AWS service or feature provides this functionality?

- A.AWS Shield
- B.Network ACLs
- C.Security groups
- D.AWS Firewall Manager

**Answer: C****Explanation:**

C. Security groups

**Question: 879**

CertyIQ

Which AWS service can a company use to find security and compliance reports, including International Organization for Standardization (ISO) reports?

- A.AWS Artifact
- B.Amazon CloudWatch
- C.AWS Config
- D.AWS Audit Manager

**Answer: A****Explanation:**

A. AWS Artifact" AWS Artifact, available in the console, is a self-service audit artifact retrieval portal that provides our customers with on-demand access to AWS' compliance documentation and AWS agreements. You can use AWS Artifact Reports to download AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and System and Organization Control (SOC) reports. You can use AWS Artifact Agreements to review, accept, and track the status of AWS agreements such as the Business Associate Addendum (BAA).

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

**Question: 880**

CertyIQ

A company deploys its application on Amazon EC2 instances. The application occasionally experiences sudden increases in demand. The company wants to ensure that its application can respond to changes in demand at the lowest possible cost.

Which AWS service or tool will meet these requirements?

- A.AWS Auto Scaling
- B.AWS Compute Optimizer

C.AWS Cost Explorer

D.AWS Well-Architected Framework

**Answer: A**

**Explanation:**

AWS Auto Scaling is free to use, and allows you to optimize the costs of your AWS environment.

**Question: 881**

**CertyIQ**

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

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

**Answer: C**

**Explanation:**

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

**Question: 882**

**CertyIQ**

A company has a compliance requirement to record and evaluate configuration changes, as well as perform remediation actions on AWS resources.

Which AWS service should the company use?

- A.AWS Config
- B.AWS Secrets Manager
- C.AWS CloudTrail
- D.AWS Trusted Advisor

**Answer: A**

**Explanation:**

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

**Question: 883**

**CertyIQ**

A company wants the ability to automatically acquire resources as needed and release the resources when they are no longer needed.

Which cloud concept describes this functionality?

- A.Availability
- B.Elasticity

- C.Durability
- D.Reliability

**Answer: B**

**Explanation:**

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

### Question: 884

CertyIQ

Which AWS service or storage class provides low-cost, long-term data storage?

- A.Amazon S3 Glacier Deep Archive
- B.AWS Snowball
- C.Amazon MQ
- D.AWS Storage Gateway

**Answer: A**

**Explanation:**

The AWS service or storage class that provides low-cost, long-term data storage is:A. Amazon S3 Glacier Deep Archive.

### Question: 885

CertyIQ

An auditor is preparing for an annual security audit. The auditor requests certification details for a company's AWS hosted resources across multiple Availability Zones in the us-east-1 Region.

How should the company respond to the auditor's request?

- A.Open an AWS Support ticket to request that the AWS technical account manager (TAM) respond and help the auditor.
- B.Open an AWS Support ticket to request that the auditor receive approval to conduct an onsite assessment of the AWS data centers in which the company operates.
- C.Explain to the auditor that AWS does not need to be audited because the company's application is hosted in multiple Availability Zones.
- D.Use AWS Artifact to download the applicable report for AWS security controls. Provide the report to the auditor.

**Answer: D**

**Explanation:**

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

### Question: 886

CertyIQ

Which controls are the responsibility of both AWS and AWS customers, according to the AWS shared responsibility model? (Choose two.)

- A.Physical and environmental controls
- B.Patch management
- C.Configuration management
- D.Account structures
- E.Choice of the AWS Region where data is stored

**Answer: BC**

**Explanation:**

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

### Question: 887

CertyIQ

Which perspective of the AWS Cloud Adoption Framework (AWS CAF) encourages the development of well-architected, cloud-focused applications?

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

**Answer: A**

### Question: 888

CertyIQ

Which factors affect costs in the AWS Cloud? (Choose two.)

- A.The number of unused AWS Lambda functions
- B.The number of configured Amazon S3 buckets
- C.Inbound data transfers without acceleration
- D.Outbound data transfers without acceleration
- E.Compute resources that are currently in use

**Answer: DE**

**Explanation:**

- D. Outbound data transfers without acceleration.
- E. Compute resources that are currently in use.

### Question: 889

CertyIQ

Which AWS service, feature, or tool helps visualize the pattern of AWS spending?

- A.Cost Explorer
- B.Amazon DevPay
- C.AWS CloudTrail

## D.Consolidated billing

### Answer: A

#### Explanation:

A. Cost Explorer" AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time. Get started quickly by creating custom reports that analyze cost and usage data. Analyze your data at a high level (for example, total costs and usage across all accounts), or dive deeper into your cost and usage data to identify trends, pinpoint cost drivers, and detect anomalies.

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

CertyIQ

## Question: 890

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

- A.Patch the Amazon RDS operating system.
- B.Upgrade the firmware of the network infrastructure.
- C.Manage data encryption.
- D.Maintain physical access control in an AWS Region.
- E.Grant least privilege access to IAM users.

### Answer: CE

#### Explanation:

C. Manage data encryption.E. Grant least privilege access to IAM users.

CertyIQ

## Question: 891

Which AWS services are examples of NoSQL databases? (Choose two.)

- A.Amazon DynamoDB
- B.Amazon ElastiCache
- C.Amazon Redshift
- D.Amazon Aurora
- E.Amazon RDS for MySQL

### Answer: AB

#### Explanation:

A. Amazon DynamoDBB. Amazon ElastiCache

CertyIQ

## Question: 892

Which pillar of the AWS Well-Architected Framework focuses on the ability to run workloads effectively, gain

insight into operations, and continuously improve supporting processes and procedures?

- A.Cost optimization
- B.Reliability
- C.Operational excellence
- D.Performance efficiency

**Answer: C**

**Explanation:**

<https://aws.amazon.com/blogs/apn/the-6-pillars-of-the-aws-well-architected-framework/>

### Question: 893

CertyIQ

A developer who has no AWS Cloud experience wants to use AWS technology to build a web application.

Which AWS service should the developer use to start building the application?

- A.Amazon SageMaker
- B.AWS Lambda
- C.Amazon Lightsail
- D.Amazon Elastic Container Service (Amazon ECS)

**Answer: C**

**Explanation:**

Amazon Lightsail is designed to provide a simple and straightforward way to launch and manage virtual private servers (VPS) in the AWS Cloud. It offers pre-configured virtual servers with a selection of operating systems, databases, and development stacks. The service provides an intuitive web-based management console, making it easy for developers to get started quickly without the need for in-depth knowledge of AWS services.

### Question: 894

CertyIQ

A developer who has no AWS Cloud experience wants to use AWS technology to build a web application.

Which AWS service should the developer use to start building the application?

- A.AWS Organizations
- B.AWS Identity and Access Management (IAM)
- C.AWS Billing and Cost Management
- D.Amazon Cognito

**Answer: D**

**Explanation:**

Amazon Cognito is a service that provides user authentication, authorization, and user management for web and mobile applications. It allows developers to easily add user sign-up, sign-in, and access control to their applications without the need to build and maintain their own user management system.

**Question: 895****CertyIQ**

A company is migrating to the AWS Cloud to meet storage needs. The company wants to optimize costs based on the amount of storage that the company uses.

Which AWS offering or benefit will meet these requirements MOST cost-effectively?

- A.Pay-as-you-go pricing
- B.Savings Plans
- C.AWS Free Tier
- D.Volume-based discounts

**Answer: A****Explanation:**

To optimize costs based on the amount of storage used, the most cost-effective option for the company would be the pay-as-you-go pricing (option A) offered by AWS.

**Question: 896****CertyIQ**

A company wants to update its online data processing application by implementing container-based services that run for 4 hours at a time. The company does not want to provision or manage server instances.

Which AWS service will meet these requirements?

- A.AWS Lambda
- B.AWS Fargate
- C.Amazon EC2
- D.AWS Elastic Beanstalk

**Answer: B****Explanation:**

AWS Fargate is a technology that you can use with Amazon ECS to run containers without having to manage servers or clusters of Amazon EC2 instances. With Fargate, you no longer have to provision, configure, or scale clusters of virtual machines to run containers.

<https://docs.aws.amazon.com/AmazonECS/latest/userguide/what-is-fargate.html#>

**Question: 897****CertyIQ**

A company is expecting a short-term spike in internet traffic for its application. During the traffic increase, the application cannot be interrupted. The company also needs to minimize cost and maximize flexibility.

Which Amazon EC2 instance type should the company use to meet these requirements?

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

D.Dedicated Hosts

**Answer: A**

**Explanation:**

On-Demand Instances

**CertyIQ**

**Question: 898**

A company wants to estimate its expected monthly AWS costs. The company also wants to find out the cost of a new set of instances and services.

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

- A.AWS Budgets
- B.AWS Pricing Calculator
- C.AWS Trusted Advisor
- D.AWS Marketplace

**Answer: B**

**Explanation:**

B. AWS Pricing Calculator" AWS Pricing Calculator is a web-based planning tool that you can use to create estimates for your AWS use cases. You can use it to model your solutions before building them, explore the AWS service price points, and review the calculations behind your estimates. You can use it to help you plan how you spend, find cost saving opportunities, and make informed decisions when using Amazon Web Services. AWS Pricing Calculator is useful for those who have never used AWS. It's also useful for those who want to reorganize or expand their AWS usage. You don't need any experience with the cloud or AWS to use AWS Pricing Calculator.

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

**CertyIQ**

**Question: 899**

A company needs to run a workload for several batch image rendering applications. It is acceptable for the workload to experience downtime.

Which Amazon EC2 pricing model would be MOST cost-effective in this situation?

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

**Answer: D**

**Explanation:**

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

**Question: 900**

CertyIQ

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: With the AWS Cloud, you can quickly and easily deploy your applications and resources in multiple geographic regions around the world. This allows you to reach your customers with low latency and provide a better user experience.D. Take advantage of economies of scale: AWS operates at a massive scale, which enables them to offer cost-effective services to customers. By leveraging the AWS Cloud, you can benefit from the economies of scale and reduce your infrastructure costs compared to traditional on-premises solutions.

**Question: 901**

CertyIQ

A company wants to have one AWS account for the entire company and individual accounts for each department.

Which AWS service should the company use to aggregate and manage all accounts?

- A.AWS Billing and Cost Management
- B.AWS Organizations
- C.AWS Identity and Access Management (IAM)
- D.AWS Resource Access Manager

**Answer: B****Explanation:**

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

**Question: 902**

CertyIQ

A company is launching a mobile app. The company wants customers to be able to use the app without upgrading their mobile devices.

Which pillar of the AWS Well-Architected Framework does this goal represent?

- A.Security
- B.Reliability
- C.Cost optimization
- D.Sustainability

**Answer: B****Explanation:**

This goal represents the "Reliability" pillar because it focuses on ensuring that the mobile app can be used by customers without requiring them to upgrade their mobile devices. Reliability in the context of the AWS Well-Architected Framework refers to the ability of a system to operate correctly and consistently, without disruptions or failures. By designing the mobile app to be compatible with a wide range of mobile devices, the company is aiming to provide a reliable user experience and minimize the need for device upgrades, which can be costly and inconvenient for customers.

**CertyIQ****Question: 903**

A company needs the ability to acquire resources when the resources are needed. The company also needs the ability to release the resources when the resources are no longer needed.

Which AWS concept represents the company's goals?

- A.Scalability
- B.Sustainability
- C.Elasticity
- D.Operational excellence

**Answer: C****Explanation:**

C. Elasticity

Elasticity refers to the ability to dynamically scale resources up or down based on demand. With elasticity, companies can easily add or remove resources to match the current workload, ensuring optimal resource utilization and cost efficiency.

**CertyIQ****Question: 904**

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:**

<https://aws.amazon.com/sqs/><https://aws.amazon.com/step-functions/>

**Question: 905**

CertyIQ

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

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

**Answer: B****Explanation:**

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

**Question: 906**

CertyIQ

A company is hosting a web application on Amazon EC2 instances. The company wants to implement custom conditions to filter and control inbound web traffic.

Which AWS service will meet these requirements?

- A.Amazon GuardDuty
- B.AWS WAF
- C.Amazon Macie
- D.AWS Shield

**Answer: B****Explanation:**

B. AWS WAF

AWS WAF is a web application firewall that helps protect your web applications from common web exploits and attacks. It allows you to define custom rules to filter and control inbound web traffic based on various conditions, such as IP addresses, request headers, query parameters, and more. You can create rules to allow, block, or monitor traffic based on specific criteria, providing granular control over your web application's security.

**Question: 907**

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 Guard Duty
- D.AWS Health Dashboard

**Answer: C**

**Explanation:**

Correct answer is A: AWS Trusted Advisor.

Reference:

<https://docs.aws.amazon.com/awssupport/latest/user/security-checks.html#security-groups-unrestricted-access>

## Question: 908

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:**

A. AWS Glue: AWS Glue is a fully managed extract, transform, and load (ETL) service that makes it easy to discover, prepare, and load data for analytics. It provides capabilities for crawling, cataloging, and transforming data from various sources into a consistent format suitable for analysis.D. Amazon QuickSight: Amazon QuickSight is a business intelligence (BI) service that enables easy data visualization and exploration. It allows users to create interactive dashboards, reports, and visualizations to gain insights from their data.

## Question: 909

CertyIQ

A company wants to securely store Amazon RDS database credentials and automatically rotate user passwords periodically.

Which AWS service or capability will meet these requirements?

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

**Answer: C**

**Explanation:**

To implement password rotation lifecycles, use AWS Secrets Manager. You can rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle using Secrets Manager

**Question: 910****CertyIQ**

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:**

A. AWS Pricing Calculator

**Question: 911****CertyIQ**

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

- A.Cloud fluency
- B.Security
- C.Change acceleration
- D.Architecture

**Answer: B****Explanation:**

<https://aws.amazon.com/cloud-adoption-framework/>

**Question: 912****CertyIQ**

Which Amazon S3 storage class is the MOST cost-effective for long-term storage?

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

**Answer: A****Explanation:**

A. S3 Glacier Deep Archive.S3 Glacier Deep Archive is designed for long-term archival storage of data. It offers the lowest storage costs among the S3 storage classes, making it the most cost-effective option for long-term storage. However, it is important to note that retrieving data from S3 Glacier Deep Archive has a longer retrieval time compared to other storage classes, typically taking hours.

**Question: 913****CertyIQ**

Which of the following are benefits of VPC endpoints? (Choose two.)

- A.A VPC endpoint makes private connections possible between an on-premises environment and supported AWS services.
- B.A VPC endpoint applies encryption to a connection that would be unencrypted otherwise.
- C.A VPC endpoint makes private connections possible between a VPC and supported AWS services.
- D.A VPC endpoint does not require an internet gateway, virtual private gateway, NAT device, VPN connection, or AWS Direct Connect connection.
- E.A VPC endpoint makes public connections possible for applications. Instances in the VPC do not require public IP addresses to communicate with the internet.

**Answer: CD****Explanation:**

The correct options for the benefits of VPC endpoints are:  
C. A VPC endpoint makes private connections possible between a VPC and supported AWS services. VPC endpoints allow you to privately access AWS services such as Amazon S3, DynamoDB, and others without the need for internet gateways, NAT devices, or VPN connections.  
D. A VPC endpoint does not require an internet gateway, virtual private gateway, NAT device, VPN connection, or AWS Direct Connect connection. VPC endpoints provide a secure and private connection to AWS services within your VPC, bypassing the need for additional network components.

**Question: 914****CertyIQ**

Which AWS service should be used when a company needs to provide its remote employees with virtual desktops?

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

**Answer: D****Explanation:**

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

**Question: 915****CertyIQ**

A company is building a mobile app to provide shopping recommendations to its customers. The company wants to use a graph database as part of the shopping recommendation engine.

Which AWS database service should the company choose?

- A.Amazon DynamoDB
- B.Amazon Aurora
- C.Amazon Neptune

**Answer: C**

**Explanation:**

C. Amazon Neptune <https://aws.amazon.com/neptune/faqs/> "Amazon Neptune is a fast, reliable, fully managed graph database service that makes it easy to build and run applications that work with highly connected datasets. The core of Neptune is a purpose-built, high-performance graph database engine."

**Question: 916**

**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:**

The Align phase focuses on understanding the current state of the organization and identifying capability gaps in relation to the desired future state in the cloud. It involves assessing the organization's readiness for cloud adoption, evaluating existing processes, skills, and technologies, and identifying areas that need improvement or additional capabilities. The AWS CAF perspectives, such as Business, People, Governance, and Platform, are used to assess and identify these capability gaps and define the required actions to address them.

**Question: 917**

**CertyIQ**

A company runs a database on Amazon Aurora in the us-east-1 Region. The company has a disaster recovery requirement that the database be available in another Region.

Which solution meets this requirement with minimal disruption to the database operations?

- A.Perform an Aurora Multi-AZ deployment.
- B.Deploy Aurora cross-Region read replicas.
- C.Create Amazon Elastic Block Store (Amazon EBS) volume snapshots for Aurora and copy them to another Region.
- D.Deploy Aurora Replicas.

**Answer: B**

**Explanation:**

B. Deploy Aurora cross-Region read replicas.

**Question: 918**

CertyIQ

A company is looking for a managed machine learning (ML) service that can recommend products based on a customer's previous behaviors.

Which AWS service meets this requirement?

- A.Amazon Personalize
- B.Amazon SageMaker
- C.Amazon Pinpoint
- D.Amazon Comprehend

**Answer: A****Explanation:**

Amazon Personalize is a managed machine learning service specifically designed for building personalized recommendations. It uses advanced ML algorithms to analyze user behavior and historical data to generate personalized recommendations for each individual user. It takes into account factors such as user preferences, past interactions, and contextual information to provide accurate and relevant product recommendations.

**Question: 919**

CertyIQ

What is the LEAST expensive AWS Support plan that provides the full set of AWS Trusted Advisor best practice checks for cost optimization?

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

**Answer: B****Explanation:**

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

**Question: 920**

CertyIQ

Which AWS service can provide a dedicated network connection with consistent low latency from on premises to the AWS Cloud?

- A.Amazon VPC
- B.Amazon Kinesis Data Streams
- C.AWS Direct Connect
- D.Amazon OpenSearch Service

**Answer: C****Explanation:**

**Question: 921**

A company needs a graph database service that is scalable and highly available.

Which AWS service meets these requirements?

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

**Answer: D**

**Explanation:**

D - Neptune

Amazon Neptune is a fully managed graph database service that is built for highly connected data.

**Question: 922**

Which of the following is a benefit that AWS Professional Services provides?

- A.Management of the ongoing security of user data
- B.Advisory solutions for AWS adoption
- C.Technical support 24 hours a day, 7 days a week
- D.Monitoring of monthly billing costs in AWS accounts

**Answer: B**

**Explanation:**

B. Advisory solutions for AWS adoption

**Question: 923**

A company has set up a VPC on AWS. The company needs a dedicated connection between the VPC and the company's on-premises network.

Which action should the company take to meet this requirement?

- A.Establish a VPN connection between the VPC and the company's on-premises network.
- B.Establish an AWS Direct Connect connection between the VPC and the company's on-premises network.
- C.Attach an internet gateway to the VPUse the AWS public endpoints for connectivity.
- D.Configure Amazon Connect to provide connectivity between the VPC and the company's on-premises network.

**Answer: B**

**Explanation:**

Since it is after a "dedicated connection", it must be Direct Connect

**CertyIQ****Question: 924**

Which AWS services can be used to store files? (Choose two.)

- A.Amazon S3
- B.AWS Lambda
- C.Amazon Elastic Block Store (Amazon EBS)
- D.Amazon SageMaker
- E.AWS Storage Gateway

**Answer: AE****Explanation:**

A. Amazon S3 (Simple Storage Service): Amazon S3 is a scalable object storage service designed for storing and retrieving large amounts of data. It is commonly used for backup and restore, data archiving, content distribution, and data storage for web applications.

E. AWS Storage Gateway: AWS Storage Gateway is a hybrid cloud storage service that provides seamless integration between on-premises environments and AWS storage services. It allows you to securely store your files in the cloud while maintaining on-premises access and performance.

**CertyIQ****Question: 925**

Which AWS service is a continuous delivery and deployment solution?

- A.AWS AppSync
- B.AWS CodePipeline
- C.AWS Cloud9
- D.AWS CodeCommit

**Answer: B****Explanation:**

AWS CodePipeline

**CertyIQ****Question: 926**

An ecommerce company wants to design a highly available application that will be hosted on multiple Amazon EC2 instances.

How should the company deploy the EC2 instances to meet these requirements?

- A.Across multiple edge locations
- B.Across multiple VPCs

C.Across multiple Availability Zones

D.Across multiple AWS accounts

**Answer: C**

**Explanation:**

<https://docs.aws.amazon.com/autoscaling/ec2/userguide/as-add-availability-zone.html>

**Question: 927**

**CertyIQ**

A company has a large number of Linux Amazon EC2 instances across several Availability Zones in an AWS Region. Applications that run on the EC2 instances need access to a common set of files.

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

A.AWS Backup

B.Amazon Elastic File System (Amazon EFS)

C.Amazon Elastic Block Store (Amazon EBS)

D.AWS Snowball Edge Storage Optimized

**Answer: B**

**Explanation:**

<https://docs.aws.amazon.com/efs/latest/ug/whatisefs.html>

**Question: 928**

**CertyIQ**

A company migrated its core application onto multiple workloads in the AWS Cloud. The company wants to improve the application's reliability.

Which cloud design principle should the company implement to achieve this goal?

A.Maximize utilization.

B.Decouple the components.

C.Rightsize the resources.

D.Adopt a consumption model.

**Answer: B**

**Explanation:**

Decoupling the components means designing the application in a way that minimizes dependencies between different components or services. This allows each component to operate independently, reducing the impact of failures and improving overall reliability.

**Question: 929**

**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:**

During the Envision phase, the company assesses its current state and defines its future state in the cloud. This phase involves setting goals, identifying business drivers, and establishing the expected outcomes and benefits of the cloud migration.

**Question: 930**

**CertyIQ**

An ecommerce company wants to distribute traffic between the Amazon EC2 instances that host its website.

Which AWS service or resource will meet these requirements?

- A.Application Load Balancer
- B.AWS WAF
- C.AWS CloudHSM
- D.AWS Direct Connect

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html>

**Question: 931**

**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:**

Patch the physical infrastructure that hosts the EC2 instances.

Reference:

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

**Question: 932**

CertyIQ

A company is running an application on AWS. The company wants to identify and prevent the accidental download of malware.

Which AWS service or feature will meet these requirements?

- A.Amazon GuardDuty
- B.Network ACL
- C.AWS WAF
- D.AWS Network Firewall

**Answer: A****Explanation:**

A. Amazon GuardDuty. Amazon GuardDuty is a threat detection service that uses machine learning algorithms and continuously monitors your AWS environment for malicious activity and unauthorized behavior. It can detect and alert you about potential malware infections, compromised instances, unauthorized access attempts, and other security threats. By analyzing network traffic, DNS logs, and AWS CloudTrail events, GuardDuty can identify potential malware downloads and provide real-time alerts for further investigation and remediation. It helps you proactively protect your applications and data from security risks and ensures the integrity of your AWS resources.

**Question: 933**

CertyIQ

A company needs to apply security rules to a subnet for Amazon EC2 instances.

Which AWS service or feature provides this functionality?

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

**Answer: A****Explanation:**

Network ACLs are an optional layer of security that act as a firewall for controlling inbound and outbound traffic at the subnet level

**Question: 934**

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 Cloud Front.

D.Apply a stateless firewall to an Amazon EC2 instance.

**Answer: A**

**Explanation:**

- A. Allow access to an Amazon EC2 instance through only a specific port.

**CertyIQ**

**Question: 935**

A company wants to move its IOS application development and build activities to AWS.

Which AWS service or resource should the company use for these activities?

- A.AWS CodeCommit
- B.Amazon EC2 M1 Mac instances
- C.AWS Amplify
- D.AWS App Runner

**Answer: C**

**Explanation:**

AWS Amplify is a complete solution that lets frontend web and mobile developers easily build, ship, and host full-stack applications on AWS, with the flexibility to leverage the breadth of AWS services as use cases evolve. No cloud expertise needed.

**CertyIQ**

**Question: 936**

A company is planning a migration to the AWS Cloud and wants to examine the costs that are associated with different workloads.

Which AWS tool will meet these requirements?

- A.AWS Budgets
- B.AWS Cost Explorer
- C.AWS Pricing Calculator
- D.AWS Cost and Usage Report

**Answer: C**

**Explanation:**

- 1. AWS Pricing Calculator For planning
- 2. AWS Pricing Calculator

**CertyIQ**

**Question: 937**

A company wants to automatically set up and govern a multi-account AWS environment.

Which AWS service provides this functionality?

- A.AWS IAM Identity Center (AWS Single Sign-On)
- B.AWS Systems Manager
- C.AWS Config
- D.AWS Control Tower

**Answer: D**

**Explanation:**

<https://docs.aws.amazon.com/controlltower/latest/userguide/what-is-control-tower.html>

### Question: 938

CertyIQ

A company wants its Amazon EC2 instances to share the same geographic area but use redundant underlying power sources.

Which solution will meet these requirements?

- A.Use EC2 instances across multiple Availability Zones in the same AWS Region.
- B.Use Amazon CloudFront as the database for the EC2 instances.
- C.Use EC2 instances in the same edge location and the same Availability Zone.
- D.Use EC2 instances in AWS OpsWorks stacks in different AWS Regions.

**Answer: A**

**Explanation:**

A. Use EC2 instances across multiple Availability Zones in the same AWS Region.

### Question: 939

CertyIQ

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:**

<https://docs.aws.amazon.com/waf/latest/developerguide/logging.html>

### Question: 940

CertyIQ

A company distributes traffic evenly among a fleet of Amazon EC2 instances. The EC2 instances must

accommodate unpredictable increases in traffic.

Which benefit does the AWS Cloud provide to meet this requirement?

- A.Scalability
- B.Resilience
- C.Security
- D.Agility

**Answer: A**

**Explanation:**

Scalability in the AWS Cloud allows you to easily adjust the capacity of your resources based on the demand. In this scenario, you can leverage auto scaling capabilities provided by AWS to automatically add or remove EC2 instances based on traffic patterns. This ensures that your application can handle increases in traffic without manual intervention and provides a seamless experience to your users.

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

**Question: 941**

**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:**

Correct answer is A:Spot Instances.

**Reference:**

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

**Question: 942**

**CertyIQ**

Which of the following are general AWS Cloud design principles described in the AWS Well-Architected Framework? (Choose two.)

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

**Answer: BD**

**Explanation:**

[https://wa.aws.amazon.com/wat.design\\_principles.wa-dp.en.html](https://wa.aws.amazon.com/wat.design_principles.wa-dp.en.html) ZONCI, STOP USING CHATGPT, USE YOUR BRAIN!

Test systems at production scale  
Drive architectures using  
[datahttps://wa.aws.amazon.com/wat.design\\_principles.wa-dp.en.html](https://wa.aws.amazon.com/wat.design_principles.wa-dp.en.html)

**Question: 943**

CertyIQ

A company wants its Amazon EC2 instances to provide a low-latency static website to global users.

What should the company do to meet this requirement?

- A.Use the EC2 instances in multiple edge locations.
- B.Use an Application Load Balancer with the EC2 instances configured as the target.
- C.Use the EC2 instances in the same Availability Zone but in different AWS Regions.
- D.Use Amazon Cloud Front with the EC2 instances configured as the source.

**Answer: D**

**Explanation:**

CloudFront will seamlessly route clients' requests to the API in the Region with the lowest latency to the client's location.

**Question: 944**

CertyIQ

A company wants to optimize long-term compute costs of AWS Lambda functions and Amazon EC2 instances.

Which AWS purchasing option should the company choose to meet these requirements?

- A.Dedicated Hosts
- B.Compute Savings Plans
- C.Reserved Instances
- D.Spot Instances

**Answer: B**

**Explanation:**

Compute Savings Plans provide the most flexibility and help to reduce your costs by up to 66%. These plans automatically apply to EC2 instance usage regardless of instance family, size, AZ, Region, OS or tenancy, and also apply to Fargate or Lambda usage. For example, with Compute Savings Plans, you can change from C4 to M5 instances, shift a workload from EU (Ireland) to EU (London), or move a workload from EC2 to Fargate or Lambda at any time and automatically continue to pay the Savings Plans price.

**Question: 945**

CertyIQ

A company encourages its teams to test failure scenarios regularly and to validate their understanding of the impact of potential failures.

Which pillar of the AWS Well-Architected Framework does this philosophy represent?

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

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/wellarchitected/latest/operational-excellence-pillar/operational-excellence.html>

**CertyIQ**

**Question: 946**

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

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

**Answer: AB**

**Explanation:**

A. Scaling the number of Amazon EC2 instances based on traffic  
B. Resizing Amazon RDS instances as business needs change

**CertyIQ**

**Question: 947**

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: Customers are responsible for configuring the security group firewall rules to control inbound and outbound traffic for their EC2 instances or other resources in their VPC.  
B. Classify company assets in the AWS Cloud: Customers are responsible for classifying their data and

assets in the AWS Cloud based on their sensitivity and compliance requirements. This includes determining which data needs additional protection or access controls.

### Question: 948

CertyIQ

Which option is AWS responsible for under the AWS shared responsibility model?

- A.Network and firewall configuration
- B.Client-side data encryption
- C.Management of user permissions
- D.Hardware and infrastructure

**Answer: D**

**Explanation:**

<https://aws.amazon.com/compliance/shared-responsibility-model/#:~:text=AWS%20responsibility%20E2%80%9CSecurity%20of%20the,that%20run%20AWS%20Cloud%20workloads>

### Question: 949

CertyIQ

A company needs to run some of its workloads on premises to comply with regulatory guidelines. The company wants to use the AWS Cloud to run workloads that are not required to be on premises. The company also wants to be able to use the same API calls for the on-premises workloads and the cloud workloads.

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

- A.Dedicated Hosts
- B.AWS Outposts
- C.Availability Zones
- D.AWS Wavelength

**Answer: B**

**Explanation:**

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

### Question: 950

CertyIQ

A company wants to use guidelines from the AWS Well-Architected Framework to limit human error and facilitate consistent responses to events.

Which of the following is a Well-Architected design principle that will meet these requirements?

- A.Use AWS Code Deploy.
- B.Perform operations as code.
- C.Migrate workloads to a Dedicated Host.
- D.Use AWS Compute Optimizer.

**Answer: B**

**Explanation:**

<https://wa.aws.amazon.com/wellarchitected/2020-07-02T19-33-23/wat.pillar.operationalExcellence.en.html>

**Question: 951**

**CertyIQ**

A company provides a web-based ecommerce service that runs in two Availability Zones within a single AWS Region. The web service distributes content that is stored in the Amazon S3 Standard storage class. The company wants to improve the web service's performance globally.

What should the company do to meet this requirement?

- A.Change the S3 storage class to S3 Intelligent-Tiering.
- B.Deploy an Amazon CloudFront distribution to cache web server content in edge locations.
- C.Use Amazon API Gateway for the web service.
- D.Migrate the website ecommerce servers to Amazon EC2 with enhanced networking.

**Answer: B**

**Explanation:**

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/introduction.html> B is only proper answer.

**Question: 952**

**CertyIQ**

Which AWS service is designed to help users build conversational interfaces into applications using voice and text?

- A.Amazon Lex
- B.Amazon Transcribe
- C.Amazon Comprehend
- D.Amazon Timestream

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/lex/latest/dg/what-is.html>

**Question: 953**

**CertyIQ**

Which AWS service offers a global content delivery network (CDN) that helps companies securely deliver websites, videos, applications, and APIs at high speeds with low latency?

- A.Amazon EC2
- B.Amazon CloudFront
- C.Amazon CloudWatch

**Answer: B**

**Explanation:**

- B. Amazon CloudFront

**Question: 954**

CertyIQ

A company has only basic knowledge of AWS technologies.

Which AWS service provides the SIMPLEST way for the company to establish a website on AWS?

- A.Amazon Elastic File System (Amazon EFS)
- B.AWS Elastic Beanstalk
- C.AWS Lambda
- D.Amazon Lightsail

**Answer: D**

**Explanation:**

<https://aws.amazon.com/websites/#:~:text=Amazon%20Lightsail%20is%20the%20easiest,for%20a%20low%2C%20%20most%20affordable%20way%20to%20host%20a%20website>

**Question: 955**

CertyIQ

Which task can only an AWS account root user perform?

- A.Changing the AWS Support plan
- B.Deleting AWS resources
- C.Creating an Amazon EC2 instance key pair
- D.Configuring AWS WAF

**Answer: A**

**Explanation:**

- A. Changing the AWS Support plan

**Question: 956**

CertyIQ

A company must store call recordings for 6 years. The storage system should be highly durable and cost-effective.

Which AWS service meets these requirements?

- A.AWS Snowball
- B.Amazon S3
- C.AWS Storage Gateway
- D.Amazon Kinesis

**Answer: B**

**Explanation:**

<https://aws.amazon.com/getting-started/projects/host-static-website/services-costs/>  
<https://docs.aws.amazon.com/AmazonS3/latest/userguide>Welcome.html>

**CertyIQ**

**Question: 957**

A company is preparing to launch a redesigned website on AWS. Users from around the world will download digital handbooks from the website.

Which AWS solution should the company use to provide these static files securely?

- A.Amazon Kinesis Data Streams
- B.Amazon CloudFront with Amazon S3
- C.Amazon EC2 instances with an Application Load Balancer
- D.Amazon Elastic File System (Amazon EFS)

**Answer: B**

**Explanation:**

Not A - Amazon Kinesis Data Streams is a fully managed, serverless data streaming service that stores and ingests various streaming data in real time at any scale.ONLY B - <https://aws.amazon.com/blogs/networking-and-content-delivery/amazon-s3-amazon-cloudfront-a-match-made-in-the-cloud/>

**CertyIQ**

**Question: 958**

A company is using AWS Organizations to configure AWS accounts.

Which design principle is a best practice for the company to implement?

- A.Organize accounts based on security and operational needs.
- B.Assign multiple sets of related workloads to each production account.
- C.Deploy workloads to the organization's management account.
- D.Combine production workloads and non-production workloads.

**Answer: A**

**Explanation:**

Organize accounts based on security and operational needs.

**CertyIQ**

**Question: 959**

A user is moving a workload from a local data center to an architecture that is distributed between the local data center and the AWS Cloud.

Which type of migration is this?

- A.On-premises to cloud native
- B.Hybrid to cloud native
- C.On-premises to hybrid
- D.Cloud native to hybrid

**Answer: C**

**Explanation:**

Logic.

In an on-premises to hybrid migration, a company moves some of its workload or infrastructure from an on-premises environment to the cloud while maintaining some components in the local data center. It involves integrating on-premises resources with cloud resources to create a hybrid architecture.

### Question: 960

CertyIQ

Which AWS solution provides the ability for a company to run AWS services in the company's on-premises data center?

- A.AWS Direct Connect
- B.AWS Outposts
- C.AWS Systems Manager hybrid activations
- D.AWS Storage Gateway

**Answer: B**

**Explanation:**

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

### Question: 961

CertyIQ

A company needs a data warehouse for analytical workloads. The data warehouse must support standard SQL queries.

Which AWS service meets these requirements?

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

**Answer: C**

**Explanation:**

Amazon Redshift

Amazon Redshift is a fully managed data warehousing service that is designed for online analytic processing (OLAP). It is optimized for high-performance analysis and supports standard SQL queries.

**Question: 962**

CertyIQ

A company wants guidance to optimize the cost and performance of its current AWS environment.

Which AWS service or tool should the company use to identify areas for optimization?

- A.Amazon QuickSight
- B.AWS TrustedAdvisor
- C.AWS Organizations
- D.AWS Budgets

**Answer: B****Explanation:**

AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas. You can then follow the recommendations to optimize your services and resources

**Question: 963**

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:**

The recommendation that complies with IAM security best practices is:C. Turn on multi-factor authentication (MFA) for added security during the login process. Enabling MFA adds an extra layer of security to the IAM user accounts by requiring an additional authentication factor, such as a unique code from a mobile device, in addition to the regular username and password. This helps protect against unauthorized access even if the username and password are compromised.

**Question: 964**

CertyIQ

Which AWS services can a company use to host and run a MySQL database? (Choose two.)

- A.Amazon RDS
- B.Amazon DynamoDB
- C.Amazon S3
- D.Amazon EC2
- E.Amazon MQ

**Answer: A**

**Explanation:**

- A. Amazon RDS (Relational Database Service) D. Amazon EC2 (Elastic Compute Cloud)

**CertyIQ**

**Question: 965**

A company wants a key-value NoSQL database that is fully managed and serverless.

Which AWS service will meet these requirements?

- A.Amazon DynamoDB
- B.Amazon RDS
- C.Amazon Aurora
- D.Amazon MemoryDB for Redis

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/serverless/latest/devguide/starter-dynamodb.html>Amazon DynamoDB is a fully managed serverless NoSQL database service.

**CertyIQ**

**Question: 966**

A company is migrating to the AWS Cloud and wants to optimize the use of its current software licenses.

Which AWS services, features, or purchasing options can the company use to meet these requirements? (Choose two.)

- A.AWS Compute Optimizer
- B.Amazon EC2 Dedicated Hosts
- C.Savings Plans
- D.AWS License Manager
- E.AWS Budgets

**Answer: D**

**Explanation:**

<https://docs.aws.amazon.com/license-manager/latest/userguide/license-manager.html> B&D <https://docs.aws.amazon.com/license-manager/latest/userguide/host-resource-groups.html>

B. Amazon EC2 Dedicated Hosts: With Amazon EC2 Dedicated Hosts, you can bring your own software licenses to the AWS Cloud and use them on dedicated physical servers. This allows you to leverage your existing licenses while benefiting from the scalability and flexibility of the cloud.D. AWS License Manager: AWS License Manager helps you track, manage, and enforce software licenses in the AWS Cloud. It allows you to create licensing rules that align with your software license agreements and manage license usage across multiple AWS accounts. This can help optimize the use of your software licenses and ensure compliance.

**Question: 967****CertyIQ**

A company seeks cost savings in exchange for a commitment to use a specific amount of an AWS service or category of AWS services for 1 year or 3 years.

Which AWS pricing model or offering will meet these requirements?

- A.Pay-as-you-go pricing
- B.Savings Plans
- C.AWS Free Tier
- D.Volume discounts

**Answer: B****Explanation:**

Savings Plans are a flexible model that offers lower prices compared to On-Demand pricing, in exchange for specific usage commitments over a one-year or three-year period.

**Question: 968****CertyIQ**

A company needs to control inbound and outbound traffic for an Amazon EC2 instance.

Which AWS service or feature can the company associate with the EC2 instance to meet this requirement?

- A.Network ACL
- B.Security group
- C.AWS WAF
- D.VPC route tables

**Answer: B****Explanation:**

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-security-groups.html>

**Question: 969****CertyIQ**

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:**

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

It provides durable and cost-effective storage for various types of data, including server logs. With Amazon S3, you can store and analyze your server logs efficiently, while only paying for the storage you consume.

### Question: 970

CertyIQ

Which design principles are included in the reliability pillar of the AWS Well-Architected Framework? (Choose two.)

- A. Automatically recover from failure.
- B. Grant everyone access to increase AWS service quotas.
- C. Stop guessing capacity.
- D. Design applications to run in a single Availability Zone.
- E. Plan to increase AWS service quotas first in a secondary AWS Region.

**Answer: A**

**Explanation:**

A. Automatically recover from failure.C. Stop guessing capacity.

### Question: 971

CertyIQ

A company has an environment that includes Amazon EC2 instances, Amazon Lightsail, and on-premises servers. The company wants to automate the security updates for its operating systems and applications.

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

- A. Use AWS Shield to identify and manage security events.
- B. Connect to each server by using a remote desktop connection. Run an update script.
- C. Use the AWS Systems Manager Patch Manager capability.
- D. Schedule Amazon GuardDuty to run on a nightly basis.

**Answer: C**

**Explanation:**

AWS Systems Manager provides a Patch Manager capability that allows you to automate the process of patching and updating operating systems and applications on your instances. Patch Manager simplifies the task of managing patches by providing a centralized solution to automate patch deployment across your environment. It supports both Amazon EC2 instances and on-premises servers.

### Question: 972

CertyIQ

Which AWS service is deployed to VPCs and provides protection from common network threats?

- A. AWS Shield
- B. AWS WAF
- C. AWS Network Firewall

**Answer: C**

**Explanation:**

Network Firewall features provide protections from common network threats.

**CertyIQ**

**Question: 973**

Which AWS service provides encryption at rest for Amazon RDS and for Amazon Elastic Block Store (Amazon EBS) volumes?

- A.AWS Lambda
- B.AWS Key Management Service (AWS KMS)
- C.AWS WAF
- D.Amazon Rekognition

**Answer: B**

**Explanation:**

1. AWS Key Management Service (AWS KMS)
2. B. AWS Key Management Service (AWS KMS)

**CertyIQ**

**Question: 974**

A company wants to minimize network latency between its Amazon EC2 instances. The EC2 instances do not need to be highly available.

Which solution meets these requirements?

- A.Use EC2 instances in a single Availability Zone.
- B.Use Amazon CloudFront as the database for the EC2 instances.
- C.Use EC2 instances in the same edge location and the same Availability Zone.
- D.Use EC2 instances in the same edge location and the same AWS Region.

**Answer: A**

**Explanation:**

CloudFront is CDN service for Web apps not EC2

- A. Use EC2 instances in a single Availability Zone.

**CertyIQ**

**Question: 975**

An ecommerce company wants to provide relevant product recommendations to its customers. The recommendations will include products that are frequently purchased with other products that the customer already purchased. The recommendations also will include products of a specific color and products from the customer's favorite brand.

Which AWS service or feature should the company use to meet these requirements with the LEAST development

effort?

- A.Amazon Comprehend
- B.Amazon Forecast
- C.Amazon Personalize
- D.Amazon SageMaker Studio

**Answer: C**

**Explanation:**

<https://docs.aws.amazon.com/personalize/latest/dg/what-is-personalize.html>

**CertyIQ**

**Question: 976**

A company wants to migrate to the AWS Cloud. The company needs the ability to acquire resources when the resources are necessary. The company also needs the ability to release those resources when the resources are no longer necessary.

Which architecture concept of the AWS Cloud meets these requirements?

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

**Answer: A**

**Explanation:**

<https://docs.aws.amazon.com/whitepapers/latest/reactive-systems-on-aws/elastic.html>

**CertyIQ**

**Question: 977**

Which options are common stakeholders for the AWS Cloud Adoption Framework (AWS CAF) platform perspective? (Choose two.)

- A.Chief financial officers (CFOs)
- B.IT architects
- C.Chief information officers (CIOs)
- D.Chief data officers (CDOs)
- E.Engineers

**Answer: BE**

**Explanation:**

Common stakeholders include CTO, technology leaders, architects, and engineers.

**Question: 978**

CertyIQ

A company is defining its AWS multi-account strategy. The company needs to control access to AWS services and needs to consolidate billing across accounts.

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

- A.AWS Organizations
- B.AWS Identity and Access Management (IAM)
- C.AWS Billing and Cost Management
- D.Amazon Cognito

**Answer: A****Explanation:**

[https://docs.aws.amazon.com/organizations/latest/userguide/orgs\\_introduction.html](https://docs.aws.amazon.com/organizations/latest/userguide/orgs_introduction.html)

**Question: 979**

CertyIQ

Which options are AWS Cloud Adoption Framework (AWS CAF) perspectives? (Choose two.)

- A.Cloud fluency
- B.Security
- C.Change acceleration
- D.Architecture
- E.Business

**Answer: BE****Explanation:**

AWS CAF groups its capabilities in six perspectives: Business, People, Governance, Platform, Security, and Operations.

**Question: 980**

CertyIQ

A web developer wants to use machine learning to classify images that are uploaded to a website.

Which AWS service or feature will meet these requirements?

- A.Amazon Rekognition
- B.Amazon SageMaker Clarify
- C.Amazon Mechanical Turk
- D.Amazon Transcribe

**Answer: A****Explanation:**

1. Amazon Rekognition makes it easy to add image and video analysis to your applications. You just provide an image or video to the Amazon Rekognition API, and the service can identify objects, people, text, scenes, and activities. Amazon SageMaker Clarify provides machine learning (ML) developers with purpose-built tools to

gain greater insights into their ML training data and models.

## 2. A. Amazon Rekognition

### Question: 981

CertyIQ

A company is launching a critical business application in an AWS Region.

How can the company increase resilience for this application?

- A.Deploy a copy of the application in another AWS account.
- B.Deploy the application by using multiple VPCs.
- C.Deploy the application by using multiple subnets.
- D.Deploy the application by using multiple Availability Zones.

#### Answer: D

#### Explanation:

<https://docs.aws.amazon.com/pdfs/resilience-hub/latest/userguide/resilience-hub-guide.pdf#what-is>

### Question: 982

CertyIQ

Which AWS service is always available free of charge to users?

- A.Amazon Athena
- B.AWS Identity and Access Management (IAM)
- C.AWS Secrets Manager
- D.Amazon ElastiCache

#### Answer: B

#### Explanation:

AWS Identity and Access Management (IAM)

### Question: 983

CertyIQ

Which AWS service provides a relational database management system that is fully compatible with MySQL and PostgreSQL?

- A.Amazon DynamoDB
- B.Amazon Aurora
- C.Amazon Neptune
- D.Amazon Athena

#### Answer: B

#### Explanation:

[https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/CHAP\\_AuroraOverview.html](https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/CHAP_AuroraOverview.html)

**Question: 984**

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
- D.AWS Migration Hub

**Answer: A****Explanation:**

The AWS Cloud Adoption Framework (AWS CAF) leverages AWS experience and best practices to help you digitally transform and accelerate your business outcomes through innovative use of AWS. AWS CAF identifies specific organizational capabilities that underpin successful cloud transformations. These capabilities provide best practice guidance that helps you improve your cloud readiness. AWS CAF groups its capabilities in six perspectives: Business, People, Governance, Platform, Security, and Operations

**Question: 985**

CertyIQ

Which of the following is a customer responsibility according to the AWS shared responsibility model?

- A.Apply security patches for Amazon S3 infrastructure devices.
- B.Provide physical security for AWS datacenters.
- C.Install operating system updates on [email protected].
- D.Implement multi-factor authentication (MFA) for IAM user accounts.

**Answer: D****Explanation:**

<https://docs.aws.amazon.com/whitepapers/latest/introduction-devops-aws/shared-responsibility.html>

D because S3 infrastructure is AWS responsibility

**Question: 986**

CertyIQ

Which option is a pillar of the AWS Well-Architected Framework?

- A.Patch management
- B.Cost optimization
- C.Business technology strategy
- D.Physical and environmental controls

**Answer: B**

**Explanation:**

<https://docs.aws.amazon.com/wellarchitected/latest/framework/the-pillars-of-the-framework.html>

**Question: 987****CertyIQ**

A company plans to host its data warehouse application on AWS. The company has a machine learning (ML) model and wants to use that model within its data warehouse for data forecasting.

Which AWS service will meet these requirements?

- A.Amazon DynamoDB
- B.Amazon Redshift ML
- C.Amazon Aurora ML
- D.Amazon MemoryDB for Redis

**Answer: B****Explanation:**

B. Amazon Redshift ML" Amazon Redshift ML makes it easy for data analysts and database developers to create, train, and apply machine learning models using familiar SQL commands in Amazon Redshift data warehouses. "<https://aws.amazon.com/redshift/features/redshift-ml/>

**Question: 988****CertyIQ**

A company wants to rightsize its Amazon EC2 instances.

Which configuration change will meet this requirement with the LEAST operational overhead?

- A.Add EC2 instances in another Availability Zone.
- B.Change the size and type of the EC2 instances based on utilization.
- C.Convert the payment method from On-Demand to Savings Plans.
- D.Reprovision the EC2 instances with a larger instance type.

**Answer: B****Explanation:**

B. Change the size and type of the EC2 instances based on utilization."The rightsizing recommendations feature in Cost Explorer helps you identify cost-saving opportunities by downsizing or terminating instances in Amazon Elastic Compute Cloud (Amazon EC2). Rightsizing recommendations analyze your Amazon EC2 resources and usage to show opportunities for how you can lower your spending.

"<https://docs.aws.amazon.com/cost-management/latest/userguide/ce-rightsizing.html#rr-getting-started:~:text=The%20rightsizing%20recommendations,lower%20your%20spending>.

**Question: 989****CertyIQ**

Which AWS services can host a Microsoft SQL Server database? (Select TWO.)

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

**Answer: AB**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 990**

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

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

**Answer: CD**

**CertyIQ**

**Question: 991**

Which of the following are characteristics of Amazon S3? (Select TWO.)

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

**Answer: BE**

**Explanation:**

B & E for sure as S3 is object store and not file system. File system is required to install OS. You can not install OS on S3. Its durable object store

**CertyIQ**

**Question: 992**

Which services can be used across hybrid AWS Cloud architectures? (Select TWO.)

- A. Amazon Route 53
- B. Virtual Private Gateway
- C. Classic Load Balancer

- D. Auto Scaling
- E. Amazon CloudWatch default metrics

**Answer: AB**

**Explanation:**

Reference:

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

### Question: 993

CertyIQ

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

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

**Answer: BCD**

### Question: 994

CertyIQ

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

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

**Answer: DE**

### Question: 995

CertyIQ

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

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

**Answer: BE**

**Explanation:**

B&E :

Data that must be updated very frequently might be better served by a storage solution with lower read/write latencies, such as Amazon EBS, Amazon RDS, Amazon EFS, Amazon DynamoDB, or relational databases running on Amazon EC2

### Question: 996

CertyIQ

Which of the following are features of Amazon CloudWatch Logs? (Select TWO.)

- A. Summaries by Amazon Simple Notification Service (Amazon SNS)
- B. Free Amazon Elasticsearch Service analytics
- C. Provided at no charge
- D. Real-time monitoring
- E. Adjustable retention

Answer: DE

Explanation:

Correct Answer: D & E

A is also a feature but it's doesn't summarize whole CloudWatch in one notification, it specifically notifies about things, so most correct is D & E Read the CloudWatch whitepaper & search 'real time'

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/acw-ug.pdf>

### Question: 997

CertyIQ

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

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

Answer: AC

### Question: 998

CertyIQ

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

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

**Answer: BE**

**Explanation:**

Reference:

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

## Question: 999

CertyIQ

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

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

**Answer: BC**

**Explanation:**

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

Reference:

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

## Question: 1000

CertyIQ

Which of the following are categories of AWS Trusted Advisor? (Select TWO.)

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

**Answer: AD**

**Explanation:**

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

Reference:

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

**Question: 1001**

CertyIQ

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

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

**Answer: BC****Explanation:**

Reference:

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

**Question: 1002**

CertyIQ

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

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

**Answer: CE****Explanation:**

Loose coupling - is one of the key cloud design principles. Your components need to be loosely coupled to avoid changes or failure in one of the components from affecting others.

Being adaptive and elastic - is one of the key cloud design principles. The AWS cloud architecture should be such that it supports growth of users, traffic, or data size with no drop in performance. It should also allow for linear scalability when and where an additional resource is added. The system needs to be able to adapt and proportionally serve additional load. Whether the AWS cloud architecture includes vertical scaling, horizontal scaling or both; it is up to the designer, depending on the type of application or data to be stored. But your design should be equipped to take maximum advantage of the virtually unlimited on-demand capacity of cloud computing. Also, knowing when to engage stateless applications, stateful applications, stateless components and distributed processing, makes your cloud very effective in its storage. Source (<https://www.botmetric.com/blog/aws-cloud-architecture-design-principles/>)

**Question: 1003**

CertyIQ

Which AWS services are defined as global instead of regional? (Select TWO.)

- A. Amazon Route 53

- B. Amazon EC2
- C. Amazon S3
- D. Amazon CloudFront
- E. Amazon DynamoDB

**Answer: AD**

**Explanation:**

Reference:

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

**CertyIQ**

**Question: 1004**

The financial benefits of using AWS are: (Select TWO.)

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

**Answer: AC**

**Explanation:**

**CertyIQ**

**Question: 1005**

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

- A. AWS Concierge
- B. AWS CloudFormation
- C. Amazon Simple Storage Service (Amazon S3)
- D. Amazon EC2 Auto Scaling
- E. AWS Management Console

**Answer: BE**

**Explanation:**

Concierge is for billing and account info

**CertyIQ**

**Question: 1006**

Which of the following security measures protect access to an AWS account? (Select TWO.)

- A. Enable AWS CloudTrail.

- B. Grant least privilege access to IAM users.
- C. Create one IAM user and share with many developers and users.
- D. Enable Amazon CloudFront.
- E. Activate multi-factor authentication (MFA) for privileged users.

**Answer: BE**

**Explanation:**

If you decided to create service accounts (that is, accounts used for programmatic access by applications running outside of the AWS environment) and generate access keys for them, you should create a dedicated service account for each use case. This will allow you to restrict the associated policy to only the permissions needed for the particular use case, limiting the blast radius if the credentials are compromised. For example, if a monitoring tool and a release management tool both require access to your AWS environment, create two separate service accounts with two separate policies that define the minimum set of permissions for each tool.

Reference:

<https://aws.amazon.com/blogs/security/guidelines-for-protecting-your-aws-account-while-using-programmatic-access/>

### Question: 1007

CertyIQ

Which options does AWS make available for customers who want to learn about security in the cloud in an instructor-led setting? (Select TWO.)

- A. AWS Trusted Advisor
- B. AWS Online Tech Talks
- C. AWS Blog
- D. AWS Forums
- E. AWS Classroom Training

**Answer: BE**

**Explanation:**

### Question: 1008

CertyIQ

Which of the following features can be configured through the Amazon Virtual Private Cloud (Amazon VPC) Dashboard? (Select TWO.)

- A. Amazon CloudFront distributions
- B. Amazon Route 53
- C. Security Groups
- D. Subnets
- E. Elastic Load Balancing

**Answer: CD**

**Explanation:**

Amazon Virtual Private Cloud (Amazon VPC) lets you provision a logically isolated section of the AWS Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. You can use both IPv4 and IPv6 in your VPC for secure and easy access to resources and applications.

You can easily customize the network configuration for your Amazon VPC. For example, you can create a public-facing subnet for your web servers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to Amazon EC2 instances in each subnet.

Reference:

<https://aws.amazon.com/vpc/>

CertyIQ

### Question: 1009

Which AWS services can be used to gather information about AWS account activity? (Select TWO.)

- A. Amazon CloudFront
- B. AWS Cloud9
- C. AWS CloudTrail
- D. AWS CloudHSM
- E. Amazon CloudWatch

Answer: CE

Explanation:

AWS offers a solution that uses AWS CloudTrail to log account activity, Amazon Kinesis to compute and stream metrics in real-time, and Amazon DynamoDB to durably store the computed data. Metrics are calculated for create, modify, and delete API calls for more than 60 supported AWS services. The solution also features a dashboard that visualizes your account activity in real-time.

Reference:

<https://aws.amazon.com/solutions/real-time-insights-account-activity/>

CertyIQ

### Question: 1010

Which of the following common IT tasks can AWS cover to free up company IT resources? (Select TWO.)

- A. Patching databases software
- B. Testing application releases
- C. Backing up databases
- D. Creating database schema
- E. Running penetration tests

Answer: AC

Explanation:

<https://aws.amazon.com/choosing-a-cloud-platform/>

A managed relational database service can provide you with access to the MySQL database engine with which

you're already familiar, but without common and time-consuming administrative tasks, freeing you to focus on your applications and business. Using a managed, petabyte-scale data warehouse service means that most of the common administration tasks associated with provisioning, configuring, monitoring, backing-up and securing a data warehouse are taken care of

### Question: 1011

CertyIQ

What can AWS edge locations be used for? (Select TWO.)

- A. Hosting applications
- B. Delivering content closer to users
- C. Running NoSQL database caching services
- D. Reducing traffic on the server by caching responses
- E. Sending notification messages to end users

### Answer: BD

#### Explanation:

CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Reference:

<https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html>

### Question: 1012

CertyIQ

Which of the following are AWS compute services? (Select two.)

- A. Amazon Lightsail
- B. AWS Systems Manager
- C. AWS CloudFormation
- D. AWS Batch
- E. Amazon Inspector

### Answer: AD

#### Explanation:

Reference:

<https://docs.aws.amazon.com/whitepapers/latest/aws-overview/compute-services.html>

### Question: 1013

CertyIQ

Under the AWS shared responsibility model, which of the following is the customer's responsibility?

- A. Patching guest OS and applications
- B. Patching and fixing flaws in the infrastructure

- C. Physical and environmental controls
- D. Configuration of AWS infrastructure devices

**Answer: A**

# Thank you

Thank you for being so interested in the premium exam material.

I'm glad to hear that you found it informative and helpful.

If you have any feedback or thoughts on the bumps, I would love to hear them.  
Your insights can help me improve our writing and better understand our readers.

## Best of Luck

You have worked hard to get to this point, and you are well-prepared for the exam  
Keep your head up, stay positive, and go show that exam what you're made of!

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