

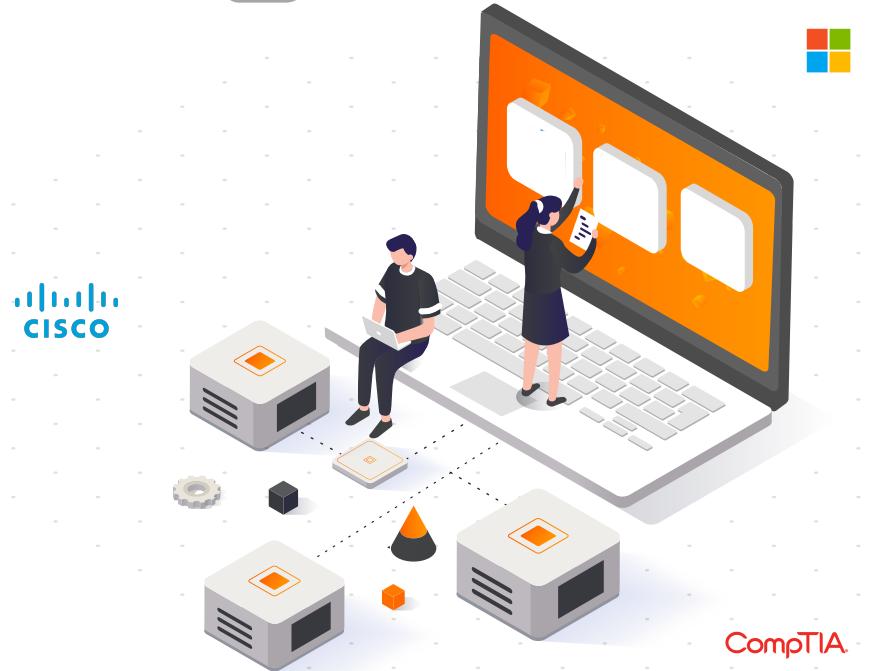


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About CertyIQ

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

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

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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: **927 Questions**

Link: <https://certiq.com/papers?provider=amazon&exam=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|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>

CertyIQ

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

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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

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

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

CertyIQ

Question: 44

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.

CertyIQ

Question: 45

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

CertyIQ

Question: 46

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

Question: 61

CertyIQ

A company that has multiple business units wants to centrally manage and govern its AWS Cloud environments. The company wants to automate the creation of AWS accounts, apply service control policies (SCPs), and simplify billing processes. Which AWS service or tool should the company use to meet these requirements?

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

Answer: A

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

Question: 64

CertyIQ

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

Question: 65

CertyIQ

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>

Question: 66

CertyIQ

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.

Question: 67

CertyIQ

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

CertyIQ

Question: 74

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

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/>

CertyIQ

Question: 77

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."

CertyIQ

Question: 78

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

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

Reference:

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

Question: 83

CertyIQ

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

- A. AWS Snowmobile
- B. AWS Local Zones
- C. AWS Outposts

D. AWS Fargate

Answer: C

Explanation:

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/>

CertyIQ

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%20 sounding%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

Question: 88

CertyIQ

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

Question: 89

CertyIQ

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

Question: 90

CertyIQ

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 friends 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)

CertyIQ**Question: 100**

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."
"

CertyIQ**Question: 101**

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**CertyIQ****Question: 102**

Which disaster recovery option is the LEAST expensive?

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

Answer: C**CertyIQ****Question: 103**

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>

CertyIQ

Question: 104

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

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

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

Question: 108

CertyIQ

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

- A. Amazon GuardDuty
- B. AWS Security Hub
- C. AWS Artifact**
- D. AWS Shield

Answer: C

Question: 109

CertyIQ

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.

Question: 110

CertyIQ

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.

CertyIQ

Question: 116

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.

CertyIQ

Question: 117

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

CertyIQ

Question: 118

What type of database is Amazon DynamoDB?

A. In-memory

B. Relational

C. Key-value

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

Question: 124

CertyIQ

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.

Question: 125

CertyIQ

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>

CertyIQ

Question: 132

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.

Question: 134

CertyIQ

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."

CertyIQ

Question: 137

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

Question: 144

CertyIQ

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

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>

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

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>

Question: 149

CertyIQ

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/>

Question: 150

CertyIQ

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."

Question: 151

CertyIQ

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.

CertyIQ

Question: 155

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

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

Answer: C

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/>

CertyIQ

Question: 156

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.

Question: 159

CertyIQ

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/>

Question: 160

CertyIQ

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>

Question: 161

CertyIQ

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

CertyIQ**Question: 163**

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.

CertyIQ**Question: 164**

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**CertyIQ****Question: 165**

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:**

Question: 166

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

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.

Question: 168

CertyIQ

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.

Question: 169

CertyIQ

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

CertyIQ

Question: 174

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.

CertyIQ

Question: 175

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.

Question: 178

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

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/>

CertyIQ**Question: 182**

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

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

Answer: C**Explanation:**

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

Reference:

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

CertyIQ**Question: 183** ✓

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%20E2%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/>

Question: 194

CertyIQ

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

Question: 195

CertyIQ

Which of the following is a managed AWS service that is used specifically for extract, transform, and load (ETL) data?

- A. Amazon Athena
- B. AWS Glue
- C. Amazon S3
- D. AWS Snowball Edge

Answer: B

Explanation:

<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/>

CertyIQ

Question: 197

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

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

Answer: 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.

CertyIQ

Question: 198

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_credentialsUnderstanding_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.

CertyIQ

Question: 202

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

CertyIQ

Question: 205

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

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

Answer: C

Explanation:

Reference:

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

CertyIQ

Question: 206

Which of the following is the responsibility of AWS?

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

Answer: B

Explanation:

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

Reference:

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

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: B

Explanation:

B is AWS responsibility

CertyIQ

Question: 209

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

CertyIQ

Question: 210

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/>

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/>

CertyIQ

Question: 215

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

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

Answer: B

Explanation:

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

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

Reference:

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

CertyIQ

Question: 216

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.

CertyIQ

Question: 217

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

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/>

Question: 223

CertyIQ

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.

Question: 224

CertyIQ

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/>

CertyIQ

Question: 225

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

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

Answer: AB

Explanation:

Reference:

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

CertyIQ

Question: 226

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:

<https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html>

Question: 231

CertyIQ

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

CertyIQ

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

CertyIQ

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:

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

Question: 237

CertyIQ

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

CertyIQ

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

Question: 239

CertyIQ

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/>

Question: 240 ✓

CertyIQ

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

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

Answer: B

Explanation:

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

Reference:

<https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

Question: 241

CertyIQ

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

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:

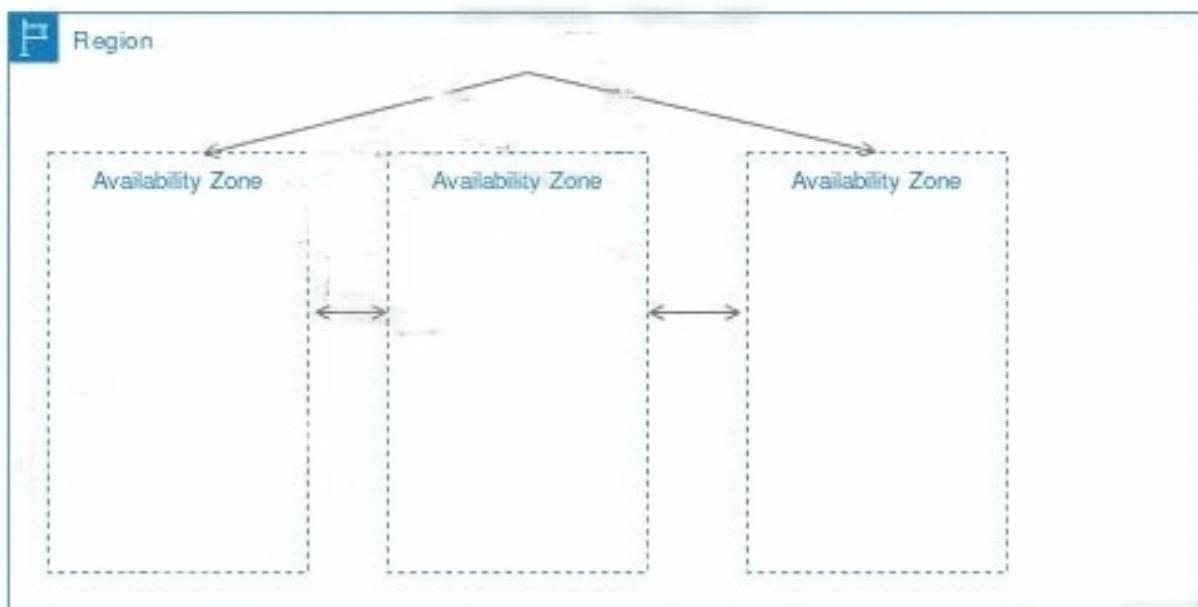
Reference:

<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: AB

Explanation:

1. I can't see a use case that requires the deployment of a VPN connection over a dedicated physical connection. There are more efficient ways to ensure confidentiality...
2. It's either Direct Connect or VPN. Question asked for a "combination". So A & B

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.

CertyIQ**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/>

CertyIQ

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/>

CertyIQ

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:

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

CertyIQ

Question: 263 ✓

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

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

Answer: 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:

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>

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

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 99.99999999% durable.
- B. It transports petabytes of data to and from AWS.
- C. It connects to multiple Amazon EC2 instances.
- D. It connects on-premises data storage to the AWS Cloud.

Answer: D

Explanation:

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

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

Reference:

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

Question: 271

CertyIQ

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>

Question: 272

CertyIQ

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.

Question: 273

CertyIQ

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>

Question: 274

CertyIQ

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

- A. The customer is responsible.
- B. AWS is responsible.
- C. AWS and the customer share responsibility.**
- D. AWS shares responsibility with the relevant governing body.

Answer: C

Explanation:

Security and Compliance is a shared responsibility between AWS and the customer. This shared model can help relieve the customer's operational burden as

AWS operates, manages and controls the components from the host operating system and virtualization layer down to the physical security of the facilities in which the service operates.

Reference:

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

Question: 275

CertyIQ

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

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

Answer: B

Explanation:

Amazon 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/>

CertyIQ

Question: 280

A company wants to build its new application workloads in the AWS Cloud instead of using on-premises resources. What expense can be reduced using the AWS Cloud?

- A. The cost of writing custom-built Java or Node.js code
- B. Penetration testing for security
- C. hardware required to support new applications**
- D. Writing specific test cases for third-party applications.

Answer: C

Explanation:

Reference:

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

CertyIQ

Question: 281

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

- A. Sell unused Amazon EC2 Spot Instances.
- B. Sell solutions to other AWS users.**
- C. Buy third-party software that runs on AWS.**
- D. Purchase AWS security and compliance documents.
- E. Order AWS Snowball.

Answer: BC

Explanation:

Reference:

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

CertyIQ

Question: 282

What does it mean if a user deploys a hybrid cloud architecture on AWS?

- A. All resources run using on-premises infrastructure.
- B. Some resources run on-premises and some run in a colocation center.
- C. All resources run in the AWS Cloud.

D. Some resources run on-premises and some run in the AWS Cloud.

Answer: D

Explanation:

Reference:

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

CertyIQ

Question: 283

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/>

CertyIQ

Question: 284

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/compliance/shared-responsibility-model/>

CertyIQ

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

CertyIQ

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

CertyIQ

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/>

CertyIQ

Question: 289

What is one of the customer's responsibilities according to the AWS shared responsibility model?

- A. Virtualization infrastructure
- B. Network infrastructure
- C. Application security**
- D. Physical security of hardware

Answer: C

Explanation:

Reference:

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

CertyIQ

Question: 290

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.

Question: 291

CertyIQ

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

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

Answer: A**Explanation:**

Reference:

<https://aws.amazon.com/ec2/autoscaling/faqs/>**Question: 292**

CertyIQ

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/>**Question: 293**

CertyIQ

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>

Question: 294

Where should users report that AWS resources are being used for malicious purposes?

- A. AWS Abuse team
- B. AWS Shield
- C. AWS Support
- D. AWS Developer Forums

Answer: A**Explanation:**

Reference:

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

Question: 295

Which AWS service needs to be enabled to track all user account changes within the AWS Management Console?

- A. AWS CloudTrail
- B. Amazon Simple Notification Service (Amazon SNS)
- C. VPC Flow Logs
- D. AWS CloudHSM

Answer: A**Explanation:**

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.

Reference:

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

Question: 296

What is an AWS Cloud design best practice?

- A. Tight coupling of components
- B. Single point of failure
- C. High availability
- D. Overprovisioning of resources

Answer: C

Question: 297

CertyIQ

Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?

- A. By replacing large variable costs with lower capital investments
- B. By replacing large capital investments with lower variable costs**
- C. By allowing the provisioning of compute and storage at a fixed level to meet peak demand
- D. By replacing the repeated scaling of virtual servers with a simpler fixed-scale model

Answer: B

Explanation:

AWS does not require minimum spend commitments or long-term contracts. You replace large upfront expenses with low variable payments that only apply to what you use. With AWS you are not bound to multi-year agreements or complicated licensing models.

Reference:

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

Question: 298

CertyIQ

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). 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

Question: 299

CertyIQ

Which cloud design principle aligns with AWS Cloud best practices?

- A. Create fixed dependencies among application components
- B. Aggregate services on a single instance
- C. Deploy applications in a single Availability Zone
- D. Distribute the compute load across multiple resources

Answer: D

Explanation:

Use load balancing for offloading encryption termination (TLS) to improve performance and to manage and route traffic effectively. Distribute traffic across multiple resources or services to allow your workload to take advantage of the elasticity that AWS provides.

Reference:

https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

Question: 300

CertyIQ

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: CD

Explanation:

1. the answer is C & D
2. CDE for surePlease fix it

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/>

CertyIQ

Question: 302

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_NslAXm2&sig=ACfU3U2fe5KOugmORbAoV9lgj_eCGlsItA&hl=en&sa=X&ved=2ahUKEwiGzf-rtbroAhVxoUKHRhjC-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/>

CertyIQ

Question: 306

A company has multiple AWS accounts within AWS Organizations and wants to apply the Amazon EC2 Reserved Instances benefit to a single account only.

Which action should be taken?

- A. Purchase the Reserved Instances from master payer account and turn off Reserved Instance sharing.
- B. Enable billing alerts in the AWS Billing and Cost Management console.
- C. Purchase the Reserved Instances in individual linked accounts and turn off Reserved Instance sharing from the payer level.**
- D. Enable Reserved Instance sharing in the AWS Billing and Cost Management console.

Answer: C

Explanation:

CertyIQ

Question: 307

Which situation should be reported to the AWS Abuse team?

- A. In Availability Zone has a service disruption
- B. An intrusion attempt is made from an AWS IP address**
- C. A user has trouble accessing an Amazon S3 bucket from an AWS IP address

D. A user needs to change payment methods due to a compromise

Answer: B

Explanation:

Reference:

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

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 ✓

CertyIQ

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

Question: 311

CertyIQ

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 ✓

CertyIQ

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/>

CertyIQ

Question: 313

The AWS Trusted Advisor checks include recommendations regarding which of the following? (Choose two.)

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

Answer: 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/>

CertyIQ

Question: 314

Which functions can users perform using AWS KMS?

- A. Create and manage AWS access keys for the AWS account root user
- B. Create and manage AWS access keys for an AWS account IAM user
- C. Create and manage keys for encryption and decryption of data
- D. Create and manage keys for multi-factor authentication

Answer: C

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

CertyIQ

Question: 321

Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

- A. Security groups
- B. Elastic network interfaces
- C. Network ACLs
- D. VPC Flow Logs

Answer: D

Explanation:

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs or Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

Reference:

<https://docs.aws.amazon.com/vpc/latest/userguide/flow-logs.html>

CertyIQ

Question: 322

Which AWS service can be used to automatically scale an application up and down without making capacity planning decisions?

- A. Amazon AutoScaling
- B. Amazon Redshift
- C. AWS CloudTrail
- D. AWS Lambda

Answer: D

Explanation:

<https://aws.amazon.com/autoscaling/> AWS

Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost.

Reference:

<https://aws.amazon.com/blogs/aws/category/auto-scaling/>

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>

Question: 326

CertyIQ

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/>

Question: 327

CertyIQ

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/userguide/awscryp-service-hsm.html> <https://docs.aws.amazon.com/kms/latest/developerguide/overview.html>

Question: 328

CertyIQ

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)

Question: 329

CertyIQ

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

Question: 330

CertyIQ

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/>

CertyIQ

Question: 331

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

- A. Decommissioning of physical storage devices
- B. Security group and ACL configuration
- C. Patch management of an Amazon RDS instance operating system
- D. Controlling physical access to data centers
- E. Patch management of an Amazon EC2 instance operating system

Answer: 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/>

CertyIQ

Question: 332

Which AWS service is suitable for an event-driven workload?

- A. Amazon EC2
- B. AWS Elastic Beanstalk
- C. AWS Lambda
- D. Amazon Lumberyard

Answer: C

Explanation:

An easy-to-use service for deploying and scaling web applications and web services developed in a number of programming languages. You can configure event notifications for your Elastic Beanstalk environment so that notable events can be automatically published to an SNS topic, then pushed to topic subscribers. As an example, you may use this event-driven architecture to coordinate your continuous integration pipeline (such as Jenkins CI). That way, whenever an environment is created, Elastic Beanstalk publishes this event to an SNS topic, which triggers a subscribing Lambda function, which then kicks off a CI job against your newly created Elastic Beanstalk environment.

Reference:

<https://aws.amazon.com/blogs/compute/event-driven-computing-with-amazon-sns-compute-storage-databases-and-networking-services/>

CertyIQ

Question: 333

What is a value proposition of the AWS Cloud?

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

Answer: B

Explanation:

Reference:

<https://d1.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/>

Question: 336

CertyIQ

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/>

Question: 337

CertyIQ

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

Question: 338

CertyIQ

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:

[**Question: 339**](https://docs.aws.amazon.com/Route53/latest/DeveloperGuide>Welcome.html</p></div><div data-bbox=)

CertyIQ

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/>

Question: 340**CertyIQ**

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/>

Question: 341**CertyIQ**

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/>

Question: 342**CertyIQ**

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

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/>

CertyIQ**Question: 345**

Which actions represent best practices for using AWS IAM? (Choose two.)

- A. Configure a strong password policy
- B. Share the security credentials among users of AWS accounts who are in the same Region
- C. Use access keys to log in to the AWS Management Console
- D. Rotate access keys on a regular basis
- E. Avoid using IAM roles to delegate permissions

Answer: 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.postDateTime&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:

Question: 350

Which design principle should be considered when architecting in the AWS Cloud?

- A. Think of servers as non-disposable resources
- B. Use synchronous integration of services
- C. Design loosely coupled components**
- D. Implement the least permissive rules for security groups

Answer: C

Explanation:

Reference:

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

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/>

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.

Question: 353

CertyIQ

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

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/>

CertyIQ

Question: 356

Which AWS service enables users to securely connect to AWS resources over the public internet?

- A. Amazon VPC peering
- B. AWS Direct Connect**
- C. AWS VPN
- D. Amazon Pinpoint

Answer: 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

CertyIQ

Question: 357

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>

CertyIQ

Question: 358

A company is running an ecommerce application hosted in Europe. To decrease latency for users who access the website from other parts of the world, the company would like to cache frequently accessed static content closer to the users.

Which AWS service will support these requirements?

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

Answer: B

Explanation:

Amazon CloudFront employs a global network of edge locations and regional edge caches that cache copies of your content close to your viewers. Amazon

CloudFront ensures that end-user requests are served by the closest edge location. As a result, viewer requests travel a short distance, improving performance for your viewers. For files not cached at the edge locations and the regional edge caches, Amazon CloudFront keeps persistent connections with your origin servers so that those files can be fetched from the origin servers as quickly as possible.

Reference:

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

CertyIQ

Question: 359

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

CertyIQ

Question: 360

Which AWS service will help users determine if an application running on an Amazon EC2 instance has sufficient CPU capacity?

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

Answer: A

Explanation:

Reference:

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

CertyIQ

Question: 361 ✓

Why is it beneficial to use Elastic Load Balancers with applications?

- A. They allow for the conversion from Application Load Balancers to Classic Load Balancers.
- B. They are capable of handling constant changes in network traffic patterns.**
- C. They automatically adjust capacity.
- D. They are provided at no charge to users.

Answer: B

Explanation:

Reference:

<https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>

CertyIQ

Question: 362

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

- A. Infrastructure facilities access management
- B. Cloud infrastructure hardware lifecycle management
- C. Configuration management of user's applications**
- D. Networking infrastructure protection
- E. Security groups configuration

Answer: CE

Explanation:

Reference:

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

CertyIQ

Question: 363

IT systems should be designed to reduce interdependencies, so that a change or failure in one component does not cascade to other components.

This is an example of which principle of cloud architecture design?

- A. Scalability
- B. Loose coupling**
- C. Automation
- D. Automatic scaling

Answer: B

Explanation:

Reference:

[\(20\)](https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf)

CertyIQ

Question: 364

Which AWS service or feature can enhance network security by blocking requests from a particular network for a web application on AWS? (Choose two.)

- A. AWS WAF**
- B. AWS Trusted Advisor
- C. AWS Direct Connect

D. AWS Organizations

E. Network ACLs

Answer: AE

Explanation:

Reference:

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

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

CertyIQ

Question: 365

An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously.

Which AWS storage service should be used?

A. Amazon EBS

B. Amazon EFS

C. Amazon S3

D. AWS Artifact

Answer: B

Explanation:

Reference:

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

CertyIQ

Question: 366

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/>

Question: 368

CertyIQ

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

Question: 369

CertyIQ

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:

Question: 370

CertyIQ

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.

Question: 371

CertyIQ

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/>

Question: 372

CertyIQ

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/>

CertyIQ

Question: 373

Which AWS services may be scaled using AWS Auto Scaling? (Choose two.)

- A. Amazon EC2
- B. Amazon DynamoDB
- C. Amazon S3
- D. Amazon Route 53
- E. Amazon Redshift

Answer: 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/>

CertyIQ

Question: 374

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

- A. Reduced cost to run services on AWS
- B. Improved availability of applications deployed on AWS
- C. Higher durability of data stored on AWS
- D. Decreased latency to reach applications deployed on AWS
- E. Higher security of data stored on AWS

Answer: 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/>

Question: 376

CertyIQ

Which AWS Cloud best practice uses the elasticity and agility of cloud computing?

- A. Provision capacity based on past usage and theoretical peaks
- B. Dynamically and predictively scale to meet usage demands
- C. Build the application and infrastructure in a data center that grants physical access
- D. Break apart the application into loosely coupled components

Answer: B

Explanation:

In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.

Question: 377

CertyIQ

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/>

Question: 378

CertyIQ

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://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%20soundings%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/>

Question: 388

CertyIQ

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

Question: 389

CertyIQ

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.

Question: 390

CertyIQ

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/>

Question: 391

CertyIQ

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/>

CertyIQ

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

CertyIQ

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/>

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/>

CertyIQ

Question: 401

An Amazon EC2 instance runs only when needed yet must remain active for the duration of the process. What is the most appropriate purchasing option?

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

Answer: C

Explanation:

Reference:

<https://jayendrapatil.com/aws-ec2-instance-purchasing-option/>

CertyIQ

Question: 402

Which AWS dashboard displays relevant and timely information to help users manage events in progress, and provides proactive notifications to help plan for scheduled activities?

- A. AWS Service Health Dashboard
- B. AWS Personal Health Dashboard

- C. AWS Trusted Advisor dashboard
- D. Amazon CloudWatch dashboard

Answer: B

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

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/

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/>

CertyIQ

Question: 425

Which AWS service or feature allows a user to easily scale connectivity among thousands of VPCs?

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

Answer: B

Explanation:

Reference:

<https://aws.amazon.com/blogs/training-and-certification/explore-the-aws-transit-gateway-networking-and-scaling-digital-course/>

CertyIQ

Question: 426

A company needs protection from expanded distributed denial of service (DDoS) attacks on its website and assistance from AWS experts during such events.

Which AWS managed service will meet these requirements?

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

Answer: A

Explanation:

Reference:

<https://docs.aws.amazon.com/waf/latest/developerguide/ddos-overview.html>

CertyIQ

Question: 427

A company's application has flexible start and end times.

Which Amazon EC2 pricing model will be the MOST cost-effective?

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

Answer: B

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 to 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: B**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/>
" 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 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

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**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:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>

Question: 479

CertyIQ

What does the Amazon S3 Intelligent-Tiering storage class offer?

- A. Payment flexibility by reserving storage capacity
- B. Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- C. Automatic cost savings by moving objects between tiers based on access pattern changes**
- D. Secure, durable, and lowest cost storage for data archival

Answer: C

Explanation:

Reference:

<https://aws.amazon.com/about-aws/whats-new/2018/11/s3-intelligent-tiering/>

Question: 480

CertyIQ

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/>

Question: 481

CertyIQ

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>

Question: 482

CertyIQ

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/>

Question: 483

CertyIQ

A user has a stateful workload that will run on Amazon EC2 for the next 3 years. What is the MOST cost-effective pricing model for this workload?

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

Answer: B

Explanation:

Answer - B

For More Information visit:

https://vote-for-miles.mn.co/posts/19850397?utm_source=manual

Question: 484

CertyIQ

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.

Question: 485

CertyIQ

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

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

Answer: CD**Explanation:**

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/>

Question: 486

CertyIQ

A developer has been hired by a large company and needs AWS credentials. Which are security best practices that should be followed? (Choose two.)

- A. Grant the developer access to only the AWS resources needed to perform the job.
- B. Share the AWS account root user credentials with the developer.
- C. Add the developer to the administrator's group in AWS IAM.
- D. Configure a password policy that ensures the developer's password cannot be changed.
- E. Ensure the account password policy requires a minimum length.

Answer: AE**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>

CertyIQ

Question: 488

Which service provides a user the ability to warehouse data in the AWS Cloud?

- A. Amazon EFS
- B. Amazon Redshift
- C. Amazon RDS
- D. Amazon VPC

Answer: A

Explanation:

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/redshift/>

CertyIQ

Question: 489

A user is planning to migrate an application workload to the AWS Cloud.

Which control becomes the responsibility of AWS once the migration is complete?

- A. Patching the guest operating system
- B. Maintaining physical and environmental controls**
- C. Protecting communications and maintaining zone security
- D. Patching specific applications

Answer: B

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>

Question: 491

CertyIQ

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/>

Question: 492

CertyIQ

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.

Question: 493

CertyIQ

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.

Question: 494

CertyIQ

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>

Question: 495

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:

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>

Question: 504

CertyIQ

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>

Question: 505

CertyIQ

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

CertyIQ

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

CertyIQ

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**

CertyIQ

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: D**Explanation:**

1. i think D
2. D i right

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:****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/>

CertyIQ

Question: 513

A company wants to be notified when its AWS Cloud costs or usage exceed defined thresholds. Which AWS service will support these requirements?

- A. AWS Budgets**
- B. Cost Explorer
- C. AWS CloudTrail
- D. Amazon Macie

Answer: A

Explanation:

Reference:

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

CertyIQ

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/>

CertyIQ

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/>

CertyIQ

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/>

CertyIQ

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>

CertyIQ

Question: 518

Which AWS service can be used to privately store and manage versions of source code?

- A. AWS CodeBuild

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

Answer: B

Explanation:

Reference:

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

CertyIQ

Question: 519

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

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

Answer: D

Explanation:

Reference:

<https://www.coalfire.com/the-coalfire-blog/march-2019/aws-trusted-advisor-for-security-compliance>

CertyIQ

Question: 520

A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption.

Which AWS infrastructure component should the company replicate across?

- A. Edge locations
- B. Availability Zones
- C. Regions
- D. Amazon Route 53

Answer: 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/

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**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>

- **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/>

Question: 525

CertyIQ

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

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

Answer: B

Explanation:

Reference:

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

Question: 526

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:

<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:

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

Question: 527

CertyIQ

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

CertyIQ

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

Question: 529

CertyIQ

An external auditor has requested that a company provide a list of all its IAM users, including the status of users' credentials and access keys.

What is the SIMPLEST way to provide this information?

- A. Create an IAM user account for the auditor, granting the auditor administrator permissions.
- B. Take a screenshot of each user's page in the AWS Management Console, then provide the screenshots to the auditor.
- C. Download the IAM credential report, then provide the report to the auditor.**
- D. Download the AWS Trusted Advisor report, then provide the report to the auditor.

Answer: C

Explanation:

Reference:

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/>

Question: 533

CertyIQ

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

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

Answer: A

Explanation:

Reference:

<https://aws.amazon.com/blogs/industries/how-to-build-a-global-scalable-low-latency-and-secure-machine-le>

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

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**Question: 536**

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

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

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

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.

Question: 541

CertyIQ

According to security best practices, how should an Amazon EC2 instance be given access to an Amazon S3 bucket?

- A. Hard code an IAM user's secret key and access key directly in the application, and upload the file.
- B. Store the IAM user's secret key and access key in a text file on the EC2 instance, read the keys, then upload the file.
- C. Have the EC2 instance assume a role to obtain the privileges to upload the file.**
- D. Modify the S3 bucket policy so that any service can upload to it at any time.

Answer: C

Question: 542

CertyIQ

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/>

Question: 543

CertyIQ

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

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/>

CertyIQ

Question: 546

According to the AWS shared responsibility model, which of the following are AWS responsibilities? (Choose two.)

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

Answer: AD

CertyIQ

Question: 547

Which of the following services can be used to block network traffic to an instance? (Choose two.)

- A. Security groups**
- B. Amazon Virtual Private Cloud (Amazon VPC) flow logs
- C. Network ACLs**
- D. Amazon CloudWatch
- E. AWS CloudTrail

Answer: AC

Explanation:

Reference:

<https://aws.amazon.com/premiumsupport/knowledge-center/ec2-block-or-allow-ips/>

CertyIQ

Question: 548

A company wants to transfer petabytes of data as quickly as possible from on-premises locations to the AWS Cloud.

Which AWS service should the company use?

- A. AWS Snowball**
- B. AWS Global Accelerator
- C. Amazon S3 Transfer Acceleration
- D. Amazon Connect

Answer: A

Explanation:

Reference:

<https://aws.amazon.com/getting-started/projects/migrate-petabyte-scale-data/>

CertyIQ

Question: 549

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: C

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

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/>

CertyIQ

Question: 553

Which statement is true about AWS global infrastructure?

- A. Availability Zones can span multiple AWS Regions.
- B. A VPC can have different subnets in different AWS Regions.
- C. AWS Regions consist of multiple Availability Zones.**
- D. A single subnet can span multiple Availability Zones.

Answer: C

Explanation:

Reference:

<https://digitalcloud.training/certification-training/aws-certified-cloud-practitioner/aws-global-infrastructure/>

CertyIQ

Question: 554

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

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

Answer: C

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.

Question: 555

CertyIQ

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

Which AWS service meets these requirements?

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

Answer: A**Question: 556**

CertyIQ

A media company wants to distribute video content to millions of users worldwide over the internet. The company wants to use the AWS global network backbone to distribute cached content with low latency and high data transfer speeds.

Which AWS service will meet these requirements?

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

Answer: A**Explanation:**

Reference:

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

Question: 557

CertyIQ

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>

Question: 558

CertyIQ

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/>

Question: 559

CertyIQ

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:

factors contribute to the total cost of ownership of an AWS Cloud workload - C&E

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:

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:

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>

CertyIQ

Question: 566

Which of the following are benefits of running a database on Amazon RDS compared to an on-premises database? (Choose two.)

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

Answer: 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=A%20WS%20Direct%20Connect%20allows%20you,to%20AWS>

Question: 569

CertyIQ

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/>

Question: 570

CertyIQ

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/>

Question: 571

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

Question: 572

CertyIQ

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

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

Answer: B

Explanation:

Reference:

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

Question: 573

CertyIQ

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/>

Question: 574

CertyIQ

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>

Question: 575

CertyIQ

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>

Question: 576

CertyIQ

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/>

Question: 577

CertyIQ

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

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

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:

1. D is correct. EoS is pricing.
2. D for sure

Question: 582

A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- A. Contact the dedicated AWS technical account manager (TAM).
- B. Contact the dedicated AWS Concierge Support team.
- C. Open a business-critical system down support case.
- D. Open a production system down support case.**

Answer: D

Question: 583

A company is looking for a way to encrypt data stored on Amazon S3.

Which AWS managed service can be used to help to accomplish this?

- A. AWS Certificate Manager (ACM)
- B. AWS Secrets Manager
- C. AWS Resource Access Manager
- D. AWS Key Management Service (AWS KMS)

Answer: D

Explanation:

Reference:

<https://www.nakivo.com/blog/amazon-s3-encryption-configuration-overview/>

CertyIQ

Question: 584

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

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

Answer: C

Explanation:

Reference:

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

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

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

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>

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

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

Question: 601

CertyIQ

Which pricing model will interrupt a running Amazon EC2 instance if capacity becomes temporarily unavailable?

A. On-Demand Instances

B. Standard Reserved Instances

C. Spot Instances

D. Convertible Reserved Instances

Answer: C

Explanation:

Reference:

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

Question: 602

CertyIQ

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-your-share-the-responsibility>

Question: 603

CertyIQ

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/>

Question: 604**CertyIQ**

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/>

Question: 605**CertyIQ**

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

Question: 606**CertyIQ**

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:

Reference:

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

Question: 609

CertyIQ

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

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

Answer: A

Explanation:

Reference:

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

CertyIQ

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>

CertyIQ

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>

CertyIQ

Question: 612

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

CertyIQ

Question: 613

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

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

Answer: 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.

CertyIQ

Question: 614

Which design principles are enabled by the AWS Cloud to improve the operation of workloads? (Choose two.)

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

Answer: 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

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>

CertyIQ

Question: 618

A cloud practitioner needs an effective method to decrease application latency and increase performance for end users.

Which services will help? (Choose two.)

- A. Amazon Elastic Container Service (Amazon ECS) for Kubernetes
- B. Amazon S3
- C. Amazon 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%3A%20Snowball%20is%20a%20petabyte,transfer%20times%2C%20and%20security%20concerns>
" target="_blank" style="word-break: break-all;">>

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

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**

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**

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/>**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/>

CertyIQ

Question: 628

What are the market advantages of running workloads in the AWS Cloud? (Choose two.)

- A. Less staff time is required to deploy new workloads.**
- B. Increased time to market for new application features.

- C. Higher acquisition costs to support peak workloads.
- D. Increased productivity for application development teams.**
- E. A decrease in the average server CPU utilization.

Answer: AD

Explanation:

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:

Question: 631

CertyIQ

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

Question: 632

CertyIQ

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/>

Question: 633

CertyIQ

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

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

Answer: C

Explanation:

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.

Question: 634

CertyIQ

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.

Question: 635

CertyIQ

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>

Question: 636

CertyIQ

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/>

Question: 637

CertyIQ

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**Question: 638**

CertyIQ

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**Question: 639**

CertyIQ

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

Question: 640

CertyIQ

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

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/>

Question: 643

CertyIQ

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**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: D

Explanation:

1. D is the answer

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 plan 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

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

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.

CertyIQ

Question: 661

Which of the following enables users to leverage the power of AWS services programmatically?

- A. AWS Command Line Interface (AWS CLI)
- B. AWS Trusted Advisor
- C. AWS CodeDeploy
- D. AWS Management Console

Answer: A

Explanation:

A is the answer. You cannot possibly do any programming from the Management console

CertyIQ

Question: 662

Which security credentials are required to run commands by using the AWS Command Line Interface (AWS CLI)?

- A. Access Key ID and Secret Access Key
- B. AWS root user email and password
- C. Amazon Elastic Compute Cloud (Amazon EC2) key pairs
- D. AWS Identity and Access Management (IAM) user name and password

Answer: A

Explanation:

Reference:

<https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-quickstart.html>

CertyIQ

Question: 663

Which are customer responsibilities when using Amazon EC2? (Choose two.)

- A. Underlying hardware maintenance
- B. File-system-level encryption
- C. Guest operating system firewall configuration
- D. Hypervisor-level software patching

E. Physical security at data center facilities

Answer: BC

Explanation:

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/?ref=wellarchitected>

CertyIQ

Question: 664

A web developer has limited knowledge of AWS networking services such as Amazon VPC, Elastic Load Balancing, and Auto Scaling, but wants to host a highly available web application.

Which AWS service would automatically handle the deployment and reduce the complexity for the developer?

- A. AWS CodeDeploy
- B. AWS Resource Access Manager
- C. AWS Elastic Beanstalk**
- D. AWS CloudFormation

Answer: C

Explanation:

Reference:

<https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html>

CertyIQ

Question: 665

A company wants to route its traffic directly and privately to a VPC without going over the public internet. Which connectivity option provides this capability?

- A. AWS VPN
- B. AWS Direct Connect**
- C. VPC NAT gateway
- D. VPC internet gateway

Answer: B

Explanation:

AWS Direct Connect is the only private connectivity channel to connect to VPC

CertyIQ

Question: 666

A company wants to build an application for a new line of business.

According to the AWS Well-Architected Framework, what design principles should be implemented? (Choose two.)

- A. Consolidate multiple AWS accounts into a single account.
- B. Buy and host hardware in the AWS Cloud.
- C. Decouple the AWS Cloud architecture to break up monolithic deployments.**

D. Move on-premises network hardware to VPCs.

E. Design elasticity into the AWS Cloud design.

Answer: 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

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:

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

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

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**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

CertyIQ

Question: 679

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

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

Answer: B

Explanation:

Reference:

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

CertyIQ

Question: 680

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

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

Answer: D

Explanation:

Reference:

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

CertyIQ

Question: 681

What is an IAM best practice for AWS account root user access keys?

- A. Delete all root user access keys, if possible.
- B. Use root user credentials to access sensitive information stored on AWS.
- C. Allow the system administrator group to use the root user credentials for daily access.

D. Use root user credentials to access production database instances.

Answer: A

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

Question: 683

CertyIQ

Elasticity in the AWS Cloud refers to which of the following? (Choose two.)

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

Answer: BE

Explanation:

Reference:

<https://blog.turbonomic.com/blog/on-technology/cloud-elasticity-vs-cloud-scalability>

Question: 684

CertyIQ

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

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)

CertyIQ

Question: 688

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

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

Answer: B

CertyIQ

Question: 689

A solutions architect needs to create a cost estimate for running workloads on AWS. The cost estimate must then be exported for management review.

Which AWS service or feature should be used to accomplish these task?

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

Answer: C

Explanation:

Reference:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/aws-pc.pdf>

CertyIQ

Question: 690

Which AWS service should a company use to decouple large monolithic applications into smaller microservices components?

- A. AWS Direct Connect
- B. Amazon Lightsail
- C. Amazon Simple Queue Service (Amazon SQS)

D. Amazon CloudWatch

Answer: C

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.

Question: 694

A company needs to migrate its on-premises data to the AWS Cloud. The company requires elastic, highly optimized connectivity.

Which AWS service meets these requirements?

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

Answer: B

Explanation:

Reference:

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

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>

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

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

Question: 699

CertyIQ

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

Question: 700

CertyIQ

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

Question: 701

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:

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**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>[>](#)

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

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

CertyIQ

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

CertyIQ

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/

Question: 714

CertyIQ

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>

Question: 715

CertyIQ

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

Question: 716

CertyIQ

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

Question: 717

CertyIQ

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

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

Question: 721

CertyIQ

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/>

Question: 722

CertyIQ

A company needs to perform a one-time migration of 40TB of data from its on-premises storage servers to Amazon S3. The transfer must happen as quickly as possible while keeping costs to a minimum. The company has 100 Mbps internet connectivity.

Which AWS service will meet these requirements?

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

Answer: A

Explanation:

Snowball is better for 40TB transfer. It will make transfer while keeping the costs at minimum. With 100 mbps, it will be quick.

Question: 723

CertyIQ

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>

CertyIQ**Question: 725**

How do AWS users trade infrastructure expenses for operational expenses?

- A. Secure their physical infrastructure to prevent malicious attacks.
- B. Use AWS Budgets to ensure that spending on AWS resources does not exceed preset thresholds.
- C. Eliminate the electricity costs that are associated with the hosting of physical servers.**
- D. Use AWS Auto Scaling to dynamically increase and decrease compute resources as needed.

Answer: C**Explanation:**

1. Definitely C
2. c is correct

CertyIQ**Question: 726**

A network engineer needs to establish a dedicated 10 Gbps network connection from an on-premises environment to AWS.

Which AWS service or feature should the engineer use?

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

Answer: B**Explanation:**

AWS Direct Connect can create a dedicated network connection between your premises and AWS.

Reference:

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

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

CertyIQ

Question: 729

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

CertyIQ

Question: 730

A company is launching a new application in the AWS Cloud. The application will run on an Amazon EC2 instance. More EC2 instances will be needed when the workload increases.

Which AWS service or tool can the company use to launch the number of EC2 instances that will be needed to handle the workload?

- A. Elastic Load Balancing
- B. Amazon EC2 Auto Scaling**
- C. AWS App2Container (A2C)
- D. AWS Systems Manager

Answer: 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**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**Question: 737**

CertyIQ

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/>**Question: 738**

CertyIQ

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

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

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

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

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

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: B

Explanation:

Reference:

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

CertyIQ

Question: 746

Which AWS service or feature enables users to encrypt data at rest in Amazon S3?

- A. IAM policies
- B. Server-side encryption**
- C. Amazon GuardDuty
- D. Client-side encryption

Answer: 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>

CertyIQ

Question: 747

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

What can the company do to meet this requirement?

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

Answer: D

Explanation:

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html>

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

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

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

Question: 753

CertyIQ

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

Question: 756

CertyIQ

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

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

Question: 760**CertyIQ**

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**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:

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

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

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/>

Question: 768

CertyIQ

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/>**Question: 769**

CertyIQ

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

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

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

Answer: B**Question: 770**

CertyIQ

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

Question: 771

CertyIQ

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**Question: 772**

CertyIQ

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**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

Question: 776

CertyIQ

Which database engine is compatible with Amazon RDS?

- A. Apache Cassandra
- B. MongoDB
- C. Neo4j
- D. PostgreSQL

Answer: D

Question: 777

CertyIQ

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-cards.sort-order=desc&ecs-blogs.sort-by=item.additionalFields.createdDate&ecs-blogs.sort-order=desc>

Question: 778

CertyIQ

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

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

CertyIQ

Question: 781

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

CertyIQ

Question: 782

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

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

Answer: D

Explanation:

Reference:

<https://aws.amazon.com/xray/#:~:text=AWS%20X%2DRay%20traces%20user,how%20your%20application%20is%20performing>

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

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**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**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

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

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 woud say C

Question: 791

CertyIQ

Which AWS service allows users to provision resources using a consistent and repeatable process?

- A. AWS Systems Manager
- B. AWS CloudFormation**
- C. AWS Batch
- D. AWS Config

Answer: B**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

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

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

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.

Question: 796

CertyIQ

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:

Question: 798

Which tasks can be performed by an IAM user that has been granted all of the AWS Identity and Access Management (IAM) permissions that are available?
(Choose two.)

- A. Activate IAM access to the AWS Billing and Cost Management console.
- B. Close an AWS account.
- C. Turn on multi-factor authentication (MFA) for non-administrative IAM users.
- D. Change the AWS Support plan.
- E. Delegate access to another AWS account.

Answer: 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

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

Question: 800

Which AWS service or feature is designed to help companies take advantage of quantity discounts available from AWS?

- A. Saving Plans
- B. AWS Budgets
- C. AWS Organizations
- D. AWS Pricing Calculator

Answer: C

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

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

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

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 on different regions and set the Route 53 with geolocation rule, so globally distributed with low latency can be implemented. but you need many EC2 on different regions. If you use CDN which is CloudFront, you need a group of EC2 behind 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

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/>

Question: 809

CertyIQ

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

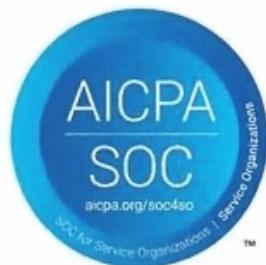
Answer: A

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

Question: 811

CertyIQ

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

Question: 812

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:

Reference:

<https://pilotcoresystems.com/insights/ebs-efs-fsx-s3-how-these-storage-options-differ>

Question: 813

CertyIQ

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**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**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**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

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:

Question: 827

Which action is consistent with the principle of least privilege in terms of AWS Cloud architecture?

- A. Allow users the minimum access that is needed to do a task.
- B. Prevent managers from accessing important source code.
- C. Provide only the permissions that are needed for users to do their jobs in the current month.
- D. Assign permissions that are based on job titles.

Answer: 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>

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

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/>

CertyIQ**Question: 833**

A company needs to use AWS Identity and Access Management (IAM) to attach an IAM policy to all IAM users in an AWS account.

Which solution meets this requirement?

- A. Attach the IAM policy to each IAM user.
- B. Attach the IAM policy to the IAM group containing all the IAM users.**
- C. Attach the IAM policy to the IAM role containing all the IAM users.
- D. Apply the IAM policy to the entire AWS account.

Answer: 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

CertyIQ**Question: 834**

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**CertyIQ****Question: 835**

Which AWS service is an in-memory data store service?

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

Answer: C

Explanation:

1. Data storage, should be in memory db

Question: 836**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**Question: 837****CertyIQ**

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**Question: 838****CertyIQ**

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

Question: 839

CertyIQ

Making frequent, small, reversible changes is a design principle of which pillar of the AWS Well-Architected Framework?

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

Answer: B**Explanation:**

Make frequent, small, reversible changes.

Reference:

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

Question: 840

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:**

<https://aws.amazon.com/blogs/aws/aws-lowers-its-pricing-again-free-inbound-data-transfer-and-lower-outbound-data-transfer-for-all-ser/>

There is no charge for inbound data transfer across all services in all regions

Question: 841

CertyIQ

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: 842

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

CertyIQ

Question: 843

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: 844

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

CertyIQ

Question: 845

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

Question: 846

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: 847

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/>

Question: 848

CertyIQ

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

Question: 849

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:

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

Question: 850

CertyIQ

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/>

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: 851

CertyIQ

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;">>

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: 852

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: 853

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: 854

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: 855

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: 856

CertyIQ

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: 857

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:

Reference:

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: 858

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: 859

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: 860

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: 861

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: 862

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**Question: 863**

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**Question: 864**

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**Question: 865**

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

Question: 866

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

Question: 867

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

Question: 868

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: BE

Question: 869

CertyIQ

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

Question: 870

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

Question: 871

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

Question: 872

CertyIQ

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

Question: 873

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

Question: 874

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

Question: 875

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

Question: 876

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

Answer: A

Question: 877

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

Question: 878

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

Question: 879

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

Question: 880

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

Question: 881

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

Question: 882

CertyIQ

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

Question: 883

CertyIQ

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

Question: 884

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: AC**Question: 885**

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**Question: 886**

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**Question: 887**

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: A

Question: 888

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

Question: 889

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

Question: 890

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

Question: 891

CertyIQ

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

Question: 892

CertyIQ

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

Question: 893

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

Question: 894

CertyIQ

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

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

Answer: AB

Question: 895

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

Question: 896

CertyIQ

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

Question: 897

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

Question: 898

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

Question: 899

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**Question: 900**

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**Question: 901**

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**Question: 902**

CertyIQ

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

Question: 903

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/>

Question: 904

CertyIQ

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

Question: 905

CertyIQ

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

Question: 906

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: 907**

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: 908**

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: 909**

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: 910

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 summarizes whole CloudWatch in one notification, it's 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: 911

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: 912

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/>

CertyIQ

Question: 913

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/>

CertyIQ

Question: 914

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: 915

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: 916

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: 917

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/>**Question: 918**

CertyIQ

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:****Question: 919**

CertyIQ

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

Question: 920

CertyIQ

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: 921

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: 922**

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: 923

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: 924

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: 925

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: 926

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>

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

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