



Level: Beginner

AWS Certified Cloud Practitioner[← Back to the Course](#)

Practice Test III

Completed on **Wed, 08 Jun 2022**1st
Attempt**44/65**

Marks Obtained

**67.69%**

Your Score

**0h 48m 58s**

Time Taken

**FAIL**
Result

Domain wise Quiz Performance Report

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No.	Domain	Total Question	Correct	Incorrect	Unattempted	Marked for Review
1	Cloud Concepts	22	18	4	0	1
2	Security	9	6	3	0	0
3	Technology	24	13	11	0	0
4	Billing and Pricing	9	7	2	0	0
5	Other	1	0	1	0	0
Total	All Domains	65	44	21	0	1

Review the Answers

Filter By [All Questions](#)

Question 1

Incorrect

Domain: Security

Which of the following security services can be used to detect users' personal credit card numbers from data stored in Amazon S3?

- A. Amazon Macie right
- B. Amazon GuardDuty wrong
- C. Amazon Inspector
- D. AWS Shield

Explanation:

Correct Answer – A

Explanation: Amazon Macie is a managed security service which can be used to detect personally identifiable information (PII) such as names, password, Credit card numbers from large amounts of data stored in Amazon S3 bucket.

Option B is incorrect as Amazon GuardDuty is used to identify threats by analyzing events from AWS CloudTrail, VPC Flow Logs, and DNS Logs. It cannot be used to detect PII from data stored in the Amazon S3 bucket.

Option C is incorrect as Amazon Inspector can analyze potential security threats for an Amazon EC2 instance against an assessment template with predefined rules.

Option D is incorrect as AWS Shield provides protection against DDOS attacks.

For more information on Amazon Macie, refer to the following URLs:

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

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Question 2

Incorrect

Domain: Cloud Concepts

Users in the Developer Team need to deploy a multi-tier web application. Which service can be used to create a customized portfolio that will help users for quick deployment?

- A. AWS Config
- B. AWS Code Deploy
- C. AWS Service Catalog right
- D. AWS CloudFormation wrong

Explanation:

Correct Answer: C

AWS Service Catalog can be used to create & deploy portfolio of products within AWS infrastructure. This helps to create consistent resources within AWS infrastructure with quick deployment. These catalogues can be used for deployment of single resource or a multi-tier web application consisting of web, application, & database layer resources.

Option A is incorrect as AWS config is used for evaluating configuration on the resources deployed in AWS cloud. It will not help for creating portfolios of resources for quick deployment.

Option B is incorrect as AWS CodeDeploy is a managed service for automating software deployment on AWS resources & on-premise systems. It is not suitable for creating portfolios of resources for quick deployment.

Option D is incorrect as AWS CloudFormation is a service for provisioning AWS resources using templates.

For more information on AWS Service Catalog, refer to the following URL,

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

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Question 3

Incorrect

Domain: Cloud Concepts

Which of the following services are used by AWS Service Catalog as a combination to create a portfolio of products?

- A. AWS IAM & AWS Config
- B. AWS Config & AWS CloudFormation wrong

C. AWS IAM & AWS CloudFormation right

D. AWS Config & AWS Organizations

Explanation:

Correct Answer – C

AWS Service Catalog allows IT organizations to create a portfolio of products that end-users can use to deploy AWS resources as defined in the portfolio. For this, AWS Service Catalog uses AWS IAM & AWS CloudFormation.

Option A is incorrect as AWS Service Catalog uses AWS IAM & AWS CloudFormation & not AWS Config to create a portfolio.

Option B is incorrect as AWS IAM is used in combination with AWS CloudFormation by AWS Service Catalog.

Option D is incorrect as AWS Service Catalog uses neither AWS Config nor AWS Organizations.

For more information on AWS Service Catalog, refer to the following URL;

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

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Question 4

Correct Marked for review

Domain: Cloud Concepts

You are planning to serve a web application on the AWS Platform by using EC2 Instances. Which of the below principles would you adopt to ensure that even if some of the EC2 Instances crash, you still have a working application?

- A. Using a scalable system
- B. Using an elastic system
- C. Using a regional system
- D. Using a fault tolerant system right

Explanation:

Answer - D

A fault-tolerant system is one that ensures that the entire system works as expected, even there are issues.

For more information on designing fault-tolerant applications in AWS, please refer to the below URL:

https://d1.awsstatic.com/whitepapers/aws-building-fault-tolerant-applications.pdf?did=wp_card&trk=wp_card

<https://aws.amazon.com/premiumsupport/knowledge-center/autoscaling-fault-tolerance-load-balancer/>

<https://aws.amazon.com/whitepapers/?whitepapers-main.sort-by=item.additionalFields.sortDate&whitepapers-main.sort-order=desc>

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Question 5

Correct

Domain: Cloud Concepts

Which of the following options would entice a company to use AWS over an on-premises data center? Choose 2 answers from the options given below.

- A. Having access to Free and Unlimited Storage
- B. Having access to Unlimited Physical servers
- C. Having a highly available infrastructure right
- D. Ability to use resources on demand right

Explanation:

Answer – C and D

Advantages of the AWS Cloud or any cloud system include the ability to have a highly available infrastructure and the usage of resources on demand.

For more information on the advantages of using AWS, please refer to the below URL:

<https://aws.amazon.com/application-hosting/benefits/>

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Question 6

Correct

Domain: Security

In serverless services such as AWS Lambda, what are the implications of the Shared Responsibility Model?

- A. Amazon has overall responsibility for the infrastructure, including IAM roles and identities that can invoke functions.
- B. The user is responsible for the security and access to the instances that handle the compute capacity.
- C. Amazon is responsible for any malicious code written in the IDE and can terminate any rogue activity.
- D. The user is responsible for IAM roles and identities that can invoke the AWS Lambda functions. right

Explanation:

Correct Answer – D

In serverless services such as AWS Lambda, Amazon adopts the responsibility of running all the compute, network and storage of the integrated development environment. The user is responsible for the code itself and identity access management.

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

Option A is INCORRECT because Amazon is not responsible for identity access management (IAM) in the Shared Responsibility Model.

Option B is INCORRECT because the user is not responsible for the security and access to the underlying instances that provide compute capacity in serverless services.

Option C is INCORRECT because in serverless services such as AWS Lambda, Amazon is not responsible for code written in the IDE.

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Question 7

Correct

Domain: Billing and Pricing

A large Oil & gas company is planning to deploy a high-volume application on multiple Amazon EC2 instances. Which of the following can help to reduce operational expenses?

- A. Deploy Amazon EC2 instance with Auto-scaling right
- B. Deploy Amazon EC2 instance in multiple AZ's
- C. Deploy Amazon EC2 instance with Amazon instance store-backed AMI
- D. Deploy Amazon EC2 instance with Cluster placement group

Explanation:

Correct Answer: A

Using Amazon EC2 Auto-Scaling helps to match the workload on the application with the optimum number of the Amazon EC2 instance. Due to this, during low load on application, Amazon EC2 instances are terminated which reduces operational cost.

Option B is incorrect as deploying an Amazon EC2 instance in a multiple AZ might enhance application availability but will not reduce operational expenses.

Option C is incorrect as deploying an Amazon EC2 instance with Amazon instance store-backed AMI incur charges for Amazon EC2 instance usage & storing AMI in Amazon S3. There will be no impact on operational expense using this AMI type.

Option D is incorrect as deploying an Amazon EC2 instance in a cluster placement group will help to have low latency between instances but will not reduce operational expenses.

For more information on reducing cost using AWS cloud , refer to the following URL,

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

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Question 8

Correct

Domain: Cloud Concepts

0

Which of the following are best practices when designing cloud-based systems? (Select TWO)

- A. Build Tightly-coupled components.
- B. Build loosely-coupled components. right
- C. Assume everything will fail. right

D. Use as many services as possible.

Explanation:

Answer – B and C

Always build components that are loosely coupled. This is so that even if one component does fail, the entire system does not fail.

If you build with the assumption that everything will fail, you will ensure that the right measures are taken to build a highly available and fault-tolerant system.

Option D is incorrect because using multiple services increases cost and operational burden, rather use less and efficient services like serverless storage services and serverless compute services.

For more information on a well-architected framework, please refer to the below URL:

<https://docs.aws.amazon.com/wellarchitected/latest/framework/welcome.html>

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Question 9

Incorrect

Domain: Technology

Which of the following services can be used to identify an issue with the Amazon CloudWatch service?

- A. Amazon CloudWatch Events
- B. AWS Personal Health Dashboard right
- C. AWS Trusted Advisor
- D. Amazon CloudTrail logs wrong

Explanation:

Correct Answer – B

AWS Personal Health Dashboard provides detailed information about performance & availability of AWS services which may impact customers' resources. AWS Personal Health Dashboard works along with Amazon CloudWatch and provides notifications when there are issues with Amazon CloudWatch service.

Option A is incorrect as Amazon CloudWatch Events cannot be used to identify issues with the Amazon CloudWatch service.

Option C is incorrect as AWS Trusted Advisor does not send notifications when there are issues in the Amazon CloudWatch service.

Option D is incorrect as Amazon CloudTrail logs do not notify issues with the Amazon CloudWatch service.

For more information on AWS Personal Health Dashboard, refer to the following URL:

<https://aws.amazon.com/premiumsupport/faqs/?nc=sn&loc=6>

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Question 10

Correct

Domain: Cloud Concepts

Which of the following is the amount of storage that can be stored in the Simple Storage Service?

- A. 1TB
- B. 5 TB
- C. 1PB
- D. Virtually unlimited storage right

Explanation:

Answer – D

The AWS Documentation mentions the following:

Amazon S3 provides a simple web service interface that you can use to store and retrieve any amount of data, at any time, from anywhere on the web.

For more information on AWS S3, please refer to the below URL:

<https://aws.amazon.com/s3/faqs/>[Ask our Experts](#)[View Queries](#)

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**Question 11**

Incorrect

Domain: Other

0

You have been hired as an AWS Architect for a company. There is a requirement to host an application using EC2 Instances. The Infrastructure needs to scale on-demand and also be fault-tolerant. Which of the following would you include in the design? (Select TWO)

- A. AWS Auto Scaling right
- B. Amazon GuardDuty
- C. Elastic Load Balancing right
- D. Amazon CloudWatch wrong

**Correct Answers: A and C**

The AWS Documentation mentions the following

You can automatically increase the size of your Auto Scaling group when demand goes up and decrease it when demand goes down. As the Auto Scaling group adds and removes EC2 instances, you must ensure that the traffic for your application is distributed across all of your EC2 instances.

instances. The Elastic Load Balancing service automatically routes incoming web traffic across such a dynamically changing number of EC2 instances.

Option B is incorrect since Amazon GuardDuty is a threat detection service that continuously monitors for malicious activity and unauthorized behaviour.

Option D is incorrect since CloudWatch is a monitoring service

For more information on AWS Autoscaling and ELB, please visit the below URL

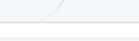
<https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html>

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

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Question 12

Correct

Domain: Technology

0

A website for an international sport governing body would like to serve its content to viewers from different parts of the world in their vernacular language. Which of the following services provide location-based web personalization using geolocation headers?

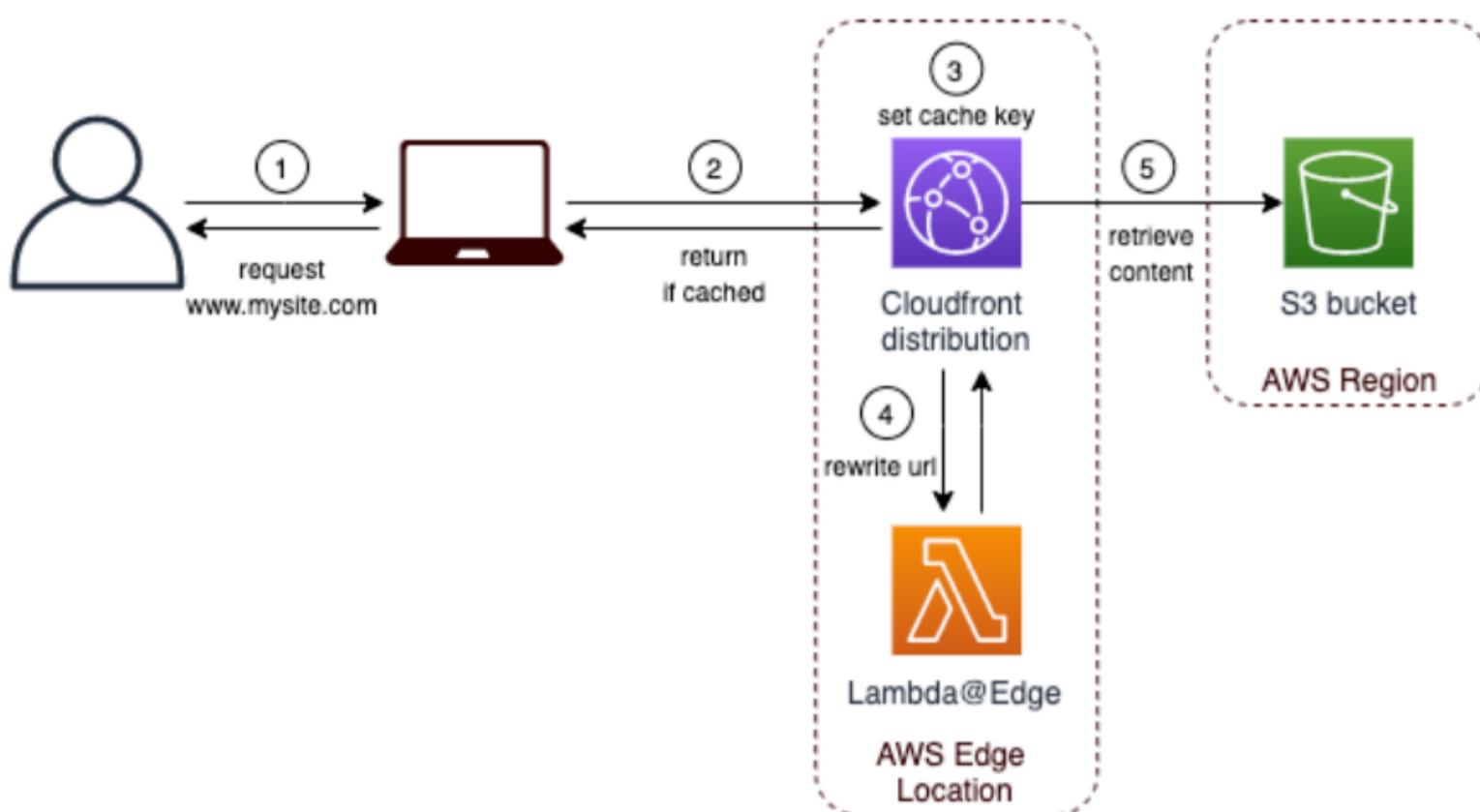
- A. Amazon CloudFront right
- B. Amazon EC2 Instance
- C. Amazon Lightsail
- D. Amazon Route 53

Explanation:

Correct Answer – A

Amazon CloudFront supports country-level location-based web content personalization with a feature called Geolocation Headers.

You can configure CloudFront to add additional geolocation headers that provide more granularity in your caching and origin request policies. The new headers give you more granular control of cache behavior and your origin access to the viewer's country name, region, city, postal code, latitude, and longitude, all based on the viewer's IP address.



Option B is INCORRECT because EC2 is just a distractor, not suitable for routing and delivery.

Option C is INCORRECT because Amazon Lightsail will primarily allow for developing, deploying, and hosting websites and web applications. The service will not meet the requirements of the scenario.

Option D is INCORRECT because the geolocation routing policy of Route53 allows different resources to serve content based on the origin of the request. Route 53 does not use geolocation headers.

References:

<https://aws.amazon.com/about-aws/whats-new/2020/07/cloudfront-geolocation-headers/>

<https://aws.amazon.com/blogs/networking-and-content-delivery/leverage-amazon-cloudfront-geolocation-headers-for-state-level-geo-targeting/>

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Question 13

Correct

Domain: Cloud Concepts

You have a mission-critical application that must be globally available at all times. If this is the case, which of the below deployment mechanisms would you employ?

- A. Deployment to multiple edge locations
- B. Deployment to multiple Availability Zones
- C. Deployment to multiple Data Centers
- D. Deployment to multiple Regions

right

Explanation:

Answer – D

Regions represent different geographical locations and are suitable for hosting your application across multiple regions for disaster recovery.

For more information on AWS Regions, please refer to the below URL:

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

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Question 14

Correct

Domain: Security

Which of the following can be used to protect against DDoS attacks? Choose 2 answers from the options given below.

- A. AWS EC2
- B. AWS RDS
- C. AWS Shield right
- D. AWS Shield Advanced right

Explanation:

Answer – C and D

The AWS Documentation mentions the following:

AWS Shield – 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

AWS Shield Advanced – For higher levels of protection against attacks targeting your web applications running on Amazon EC2, Elastic Load Balancing (ELB), CloudFront, and Route 53 resources, you can subscribe to AWS Shield Advanced. AWS Shield Advanced provides expanded DDoS attack protection for these resources.

For more information on AWS Shield, please refer to the below URL:

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

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Did you like this Question?



Question 15

Correct

Domain: Cloud Concepts

Which of the following is a serverless compute offering from AWS?

- A. AWS EC2
- B. AWS Lambda right

C. AWS SNS**D. AWS SQS****Explanation:**

Answer – B

The AWS Documentation mentions the following:

AWS Lambda is a compute service that lets you run code without provisioning or managing servers. AWS Lambda executes your code only when needed and scales automatically, from a few requests per day to thousands per second.

For more information on AWS Lambda, please refer to the below URL:

<https://docs.aws.amazon.com/lambda/latest/dg/welcome.html>

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**Question 16**

Incorrect

Domain: Technology

0

Which of the following are the recommended resources to be deployed in the Amazon VPC private subnet?

- A. NAT Gateways wrong
- B. Bastion Hosts
- C. Database Servers right
- D. Internet Gateways

Explanation:

Answer – C

As Database servers contain confidential information, so for a security perspective, it should be deployed in a **Private Subnet**.

Amazon Virtual Private Cloud (Amazon VPC) enables the user to launch AWS resources into a virtual network that a user has defined.

Option A is incorrect because NAT devices (**NAT Gateway, Nat Instance**) allow instances in private subnets to connect to the internet, other VPCs, or on-premises networks. It is deployed in a public subnet.

Option B is incorrect because **bastion host** is a server whose purpose is to provide access (SSH access) to a private network from an external network, such as the Internet. It is deployed in a public subnet.

Option D is incorrect because an **Internet Gateway** is a horizontally scaled, redundant, and highly available VPC component that allows communication between your VPC and the internet.

For more information on AWS VPC, please refer to the below URL:

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

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

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

<https://aws.amazon.com/blogs/security/how-to-record-ssh-sessions-established-through-a-bastion-host/>

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Did you like this Question?



Question 17

Incorrect

Domain: Technology

A web application co-located in two geographically distinct locations is experiencing degraded service in one of the locations. What is the most appropriate routing policy to implement in Amazon Route 53?

- A. Geolocation routing policy
- B. Weighted routing policy
- C. Failover routing policy right
- D. Latency-based routing policy wrong

Explanation:

Correct Answer – C

Failover routing policy is the most appropriate routing policy to implement because it will make it possible for traffic to be routed to the resource in good health and not to the one experiencing poor response times. Several instances can be configured.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-failover>

Option A is INCORRECT because the Geolocation routing policy is essential when traffic to the hosted resources is routed according to its originating source address.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-geo>

Option B is INCORRECT because a weighted routing policy can distribute request traffic amongst resources. But in this scenario, it would be undesirable and cumbersome to manually set weights (preferences) each time any resource is unhealthy. This will not be the most appropriate routing policy.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-weighted>

Option D is INCORRECT because latency-based routing policy allows for queries to be served by the resources with the shortest response times to the user's location. The routing policy does not give the required functionality in the scenario.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-latency>

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Question 18

Corre

Domain: Cloud Concepts

What is the concept of an AWS region?

- A. It is a collection of Edge locations.
- B. It is a collection of Compute capacity.
- C. It is a geographical area divided into Availability Zones. right
- D. It is the same as an Availability zone.

Explanation:

Answer – C

A region is a geographical area divided into Availability Zones. Each region contains at least two Availability Zones.

For more information on AWS regions and availability zones, please refer to the below URL-

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

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Question 19

Correct

Domain: Security

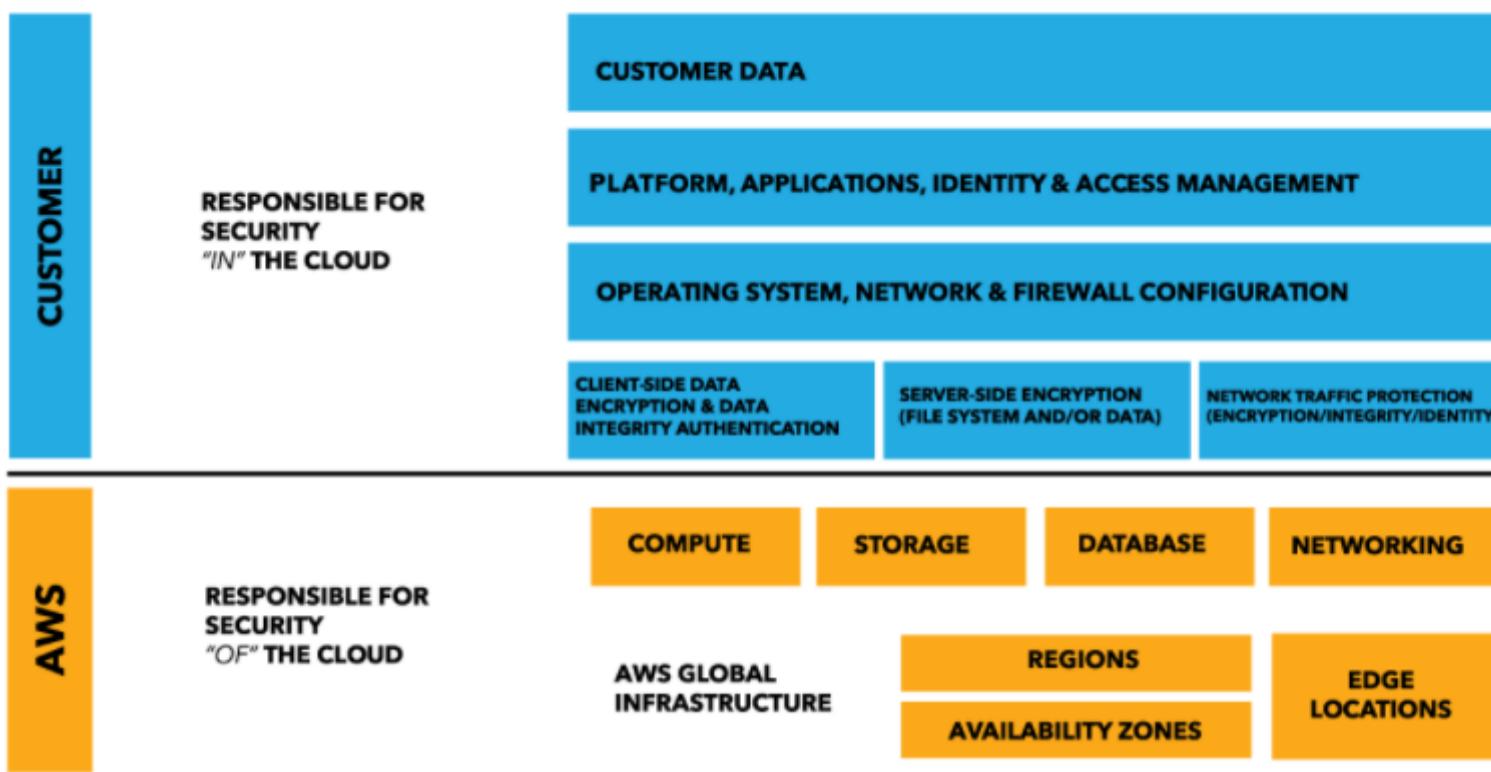
In AWS, which security aspects are the customers' responsibility? Choose 4 answers from the options given below.

- A. Security Group and ACL (Access Control List) settings right
- B. Decommissioning storage devices
- C. Patch management on the EC2 instance's operating system right
- D. Life-cycle management of IAM credentials right
- E. Controlling physical access to compute resources
- F. Encryption of EBS (Elastic Block Storage) volumes right

Explanation:

Answer – A, C, D and F.

Below is the snapshot of the AWS Shared Responsibility Model:



For more information on the Shared Responsibility Model, please refer to the below URL:

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

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Question 20

Correct

Domain: Security

Which of the following can be used to manage identities in AWS?

- A. AWS Config
- B. AWS IAM right
- C. AWS Trusted Advisor
- D. AWS

Explanation:

Answer – B

The AWS Documentation mentions the following:

AWS Identity and Access Management (IAM) is a web service that helps you control access to AWS resources securely. You use IAM to control who is authenticated (signed in) and authorized (has permissions) to use resources.

For more information on AWS IAM, please refer to the below URL:

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Question 21

Incorrect

Domain: Technology

You are working on an e-commerce web application running on an EC2 instance. But it is experiencing a bad performance in browsing and searching use cases when heavy load use-cases are running simultaneously. The application monitors highlight a bottleneck in the web tier.

You decide to re-engineer the application code by **decoupling** the web tier components from the order's heavy workloads. What AWS service can support the application change?

- A. AWS Auto Scaling
- B. AWS Elastic Load Balancing wrong
- C. Amazon SQS right
- D. Amazon Kinesis Streams

Explanation:

Answer: C

Option A is INCORRECT because it is not a service for decoupling use-case. AWS Auto Scaling adjusts the capacity to maintain performance leaving unchanged the application design.

Option B is INCORRECT because AWS ELB is a service to distribute the workload across EC2 instance, not a service to support application refactoring or re-engineering.

Option C is CORRECT because Amazon SQS implements messaging that is a typical integration pattern to decouple application components. AWS documentation mentions "Amazon SQS offers a reliable, highly-scalable hosted queue for storing messages as they travel between applications or microservices. It moves data between distributed application components and helps you decouple these components".

Option D is INCORRECT because it is a streaming service not suitable for the scenario.

Diagram: none**References:**<https://aws.amazon.com/sqs/faqs/>[Ask our Experts](#)[View Queries](#)

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Question 22

Correct

Domain: Technology

An online streaming company is prohibited from broadcasting its content in certain countries and regions in the world. Which Amazon Route 53 routing policy would be the most suitable in guaranteeing their compliance?

A. Geoproximity

B. Geolocation right

C. Multi-value answer

D. Failover

Explanation:

Correct Answer – B

Amazon Route 53 geolocation routing policy makes it possible for different types of content to be served depending on the browser's geographical location. In this use case, the streaming company can serve a restriction message if Amazon Route 53 detects origin requests from prohibited countries.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-geo>

Option A is INCORRECT because geo-proximity allows for DNS traffic to be routed in accordance with a bias or preset preference rule. This allows the user to be served with content from resources closest to their geographical location. This routing manipulates DNS traffic flow only. This routing policy is not the most suitable.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-geoproximity>

Option C is INCORRECT because a multi-value answer primarily addresses the quality of service and resources queried in DNS requests. This routing policy is not the most suitable.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-multivalue>

Option D is INCORRECT because failover allows for the automatic switch to healthy DNS resources if another becomes unavailable. It will not allow for the preferential serving of content based on the geographical location. This routing policy is not the most suitable.

<https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html#routing-policy-multivalue>

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Did you like this Question?



Question 23

Correct

Domain: Billing and Pricing

0

Which of the following are attributes that determine the cost of On-Demand EC2 Instance? (Select THREE)

A. Instance Type right

B. Operating System right

C. Region right

D. Edge location

Explanation:

Answer- A, B and C

If you see the below snapshot from the EC2 on-demand pricing page, you can see the different components that make up the pricing.

On-Demand Plans for Amazon EC2**Select a region, operating system, instance type, and vCPU to view rates**

Region	Operating system
US East (Ohio)	Linux with SQL Web
Instance type	vCPU
All	1

For more information on AWS EC2 On-Demand pricing, please refer to the below URL:

<https://aws.amazon.com/ec2/pricing/on-demand/>[Ask our Experts](#)[View Queries](#)

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**Question 24**

Incorrect

Domain: Technology

0

A company wants to utilize AWS storage. For them, low storage cost is paramount. The data is rarely retrieved and a data retrieval time of 13-14 hours is acceptable for them. What is the best storage option to use?

- A. Amazon S3 Glacier wrong
- B. S3 Glacier Deep Archive right
- C. Amazon EBS volumes
- D. AWS CloudFront

Explanation:**Answer – B**

S3 Glacier Deep Archive offers the lowest cost storage in the cloud, at prices lower than storing and maintaining data in on-premises magnetic tape libraries or archiving data offsite.

It expands our data archiving offerings, enabling you to select the optimal storage class based on storage and retrieval costs, and retrieval times.

Option B is correct because S3 Glacier Deep Archive offers low-cost storage and retrieval time doesn't matter for the company. If the question asks for fast retrieval time then S3 Glacier would be correct.

Option A is incorrect because S3 Glacier is not cheaper than S3 Glacier Deep Archive.

Options C and D are incorrect because they are not suitable for data archive and faster retrieval. Also, the CloudFront is not for storage.

With **S3 Glacier**, customers can store their data cost-effectively for months, years, or even decades. S3 Glacier enables customers to offload the administrative burdens of operating and scaling storage to AWS, so they don't have to worry about capacity planning, hardware provisioning, data replication, hardware failure detection, and recovery, or time-consuming hardware migrations.

Amazon S3 Glacier for archiving data that might infrequently need to be restored within a few hours

S3 Glacier Deep Archive for archiving long-term backup cycle data that might infrequently need to be restored within 12 hours

Storage class	Expedited	Standard	Bulk
---------------	-----------	----------	------

Storage class	Expedited	Standard	Bulk
Amazon S3 Glacier	1–5 minutes	3–5 hours	5–12 hours
S3 Glacier Deep Archive	Not available	Within 12 hours	Within 48 hours

Reference:

<https://docs.aws.amazon.com/amazonglacier/latest/dev/introduction.html>

<https://docs.aws.amazon.com/prescriptive-guidance/latest/backup-recovery/amazon-s3-glacier.html>

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

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**Question 25**

Incorrect

Domain: Technology

What are the characteristics of Amazon S3?

Choose 2 answers from the options given below.

- A. S3 allows you to store objects of virtually unlimited size. wrong
- B. S3 allows you to store virtually unlimited amounts of data. right
- C. S3 should be used to host a relational database.
- D. Objects are directly accessible via a URL. right

Explanation:

Answer – B and D

Each object does have a limitation in S3, but you can store virtually unlimited amounts of data. Also, each object gets a directly accessible URL.

For more information on AWS S3, please refer to the below URL:

<https://aws.amazon.com/s3/faqs/>

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**Question 26**

Correct

Domain: Cloud Concepts

Which AWS service provides a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability?

A. AWS RDS

B. DynamoDB right

C. Oracle RDS

D. Elastic Map Reduce

Explanation:

Answer: - B

DynamoDB is a fully managed NoSQL offering provided by AWS. It is now available in most regions for users to consume.

For more information on AWS DynamoDB, please refer to the below URL:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/introduction.html>

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Did you like this Question?



Question 27

Correct

Domain: Billing and Pricing

In the AWS Billing and Management service, which tool will allow the user to graphically visualize billing and usage over time, particularly monthly running costs?

A. AWS Bills

B. AWS Cost Explorer right

C. AWS Reports

D. AWS Budgets

Explanation:

Correct Answer – B

AWS Cost Explorer allows the user to generate a graphical representation of their billing and usage over time.

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

Option A is INCORRECT because AWS Bills will list the historical costs that would have been incurred over the past month with granular options. The tool will not give the graphical visualization as specified in the question.

Option C is INCORRECT because AWS Reports will give a composite overview of costs and usage. The tool gives a granular perspective of usage and billing but without a graphical output.

Option D is INCORRECT because AWS Budgets will give the user the status of user-set budgets and provide forecasts of estimated costs. The tool will not give a graphical representation of the data.

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Did you like this Question?

**Question 28**

Incorrect

Domain: Technology

0

A company is deploying a three-tier, highly available web application to AWS. Which service provides durable storage for static content for the web tier?

- A. Amazon EBS volume wrong
- B. Amazon S3 right
- C. Amazon EC2 instance store
- D. Amazon RDS instance

Explanation:**Correct Answer – B**

Amazon S3 is the default storage service that provides durable storage for all static content. Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance.

Option A is incorrect because it is a block-level storage device. The question asks for storage that will be helpful for the high availability of web applications, but this storage device is only be attached to EC2 instances.

Option C is incorrect because the instance store is ideal for temporary storage, because the data stored in instance store volumes is not persistent through instance stops, terminations, or hardware failures.

Option D is incorrect because it is not related to any kind of storage.

For more information on AWS S3, please refer to the below URL:

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

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

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-volumes.html>

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Did you like this Question?

**Question 29**

Correct

Domain: Billing and Pricing

In the AWS Billing and Management service, which tool can provide usage-based forecasts of estimated billing costs and usage for the coming months?

- A. AWS Cost Explorer right
- B. AWS Bills
- C. AWS Reports
- D. Cost & Usage Reports

Explanation:

Correct Answer – A

AWS Cost Explorer can create user-defined custom forecasts for future usage patterns.

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

<https://aws.amazon.com/about-aws/whats-new/2019/07/usage-based-forecasting-in-aws-cost-explorer/>

Option B is INCORRECT because AWS Bills will list the historical costs that would have been incurred over the past month with granular options. The tool will not give the usage-based forecasts as specified in the question.

Option C is INCORRECT because AWS Reports will give a composite overview of costs and usage. The tool gives a granular perspective of usage and billing but without usage-based forecasts.

Option D is INCORRECT because AWS Reports and Cost & Usage Reports are the same tool. Option C. explanation outlines why it is inaccurate as a response to the question.

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Did you like this Question?



Question 30

Correct

Domain: Cloud Concepts

Which of the below AWS services allows you to increase the number of resources based on the demand of the application or users?

- A. AWS EC2
- B. AWS AutoScaling right
- C. AWS ELB
- D. AWS Inspector

Explanation:

Answer – B

The AWS Documentation mentions the following:

AWS Auto Scaling enables you to configure automatic scaling for the scalable AWS resources for your application in a matter of minutes. AWS Auto Scaling uses the Auto Scaling and Application Auto Scaling services to configure scaling policies for your scalable AWS resources.

For more information on AWS AutoScaling, please refer to the below URL:

<https://docs.aws.amazon.com/autoscaling/plans/userguide/what-is-aws-auto-scaling.html>

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Did you like this Question?



Correct

Question 31

Domain: Technology

Which of the following AWS managed database service provides processing power that is up to 5X faster than a traditional MySQL database?

- A. MariaDB
- B. Aurora right
- C. PostgreSQL
- D. DynamoDB

Explanation:

Answer – B

The AWS Documentation mentions the following:

Amazon Aurora (Aurora) is a fully managed, MySQL- and PostgreSQL-compatible, relational database engine. It combines the speed and reliability of high-end commercial databases with the simplicity and cost-effectiveness of open-source databases. It delivers up to five times the throughput of MySQL and up to three times the throughput of PostgreSQL without requiring changes to most of your existing applications.

For more information on AWS Aurora, please refer to the below URL:

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

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Did you like this Question?

**Question 32**

Correct

Domain: Cloud Concepts

Which of the following activities are within the scope of AWS Support?

- A. Troubleshooting API issues right
- B. Code Deployment
- C. Debugging custom software
- D. Third-party application configuration on AWS resources right
- E. Database query tuning

Explanation:**Correct Answers: A and D**

As a part of AWS Support following activities are performed,

1. Queries regarding all AWS Services & features.
2. Best Practices to integrate, deploy & manage applications in AWS cloud.

3. Troubleshooting API & SDK issues.
4. Troubleshooting operational issues.
5. Issues related to any AWS Tools.
6. Problems detected by EC2 health checks
7. Third-Party application configuration on AWS resources & products.

Option B is incorrect as Code Deployment is not in the scope of AWS Support. This needs to be taken care of by the customer.

Option C is incorrect as Debugging custom software is not in the scope of AWS Support. This needs to be taken care of by the customer.

Option E is incorrect as Database query tuning is not in the scope of AWS Support. This needs to be taken care of by the customer.

For more information on AWS Support, refer to the following URL,

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

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Did you like this Question?



Question 33

Correct

Domain: Security

Which of the following services helps in governance, compliance, and risk auditing in AWS?

- A. AWS CloudFormation
- B. AWS CloudTrail right
- C. AWS CloudWatch
- D. AWS SNS

Explanation:

Answer - B

The AWS Documentation mentions the following:

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.

For more information on AWS CloudTrail, please refer to the below URL:

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

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Did you like this Question?



Question 34

Incorrect

Domain: Billing and Pricing

When using On-Demand instances in AWS, which of the following is a false statement when it comes to the costing for the Instance?

- A. You pay no upfront costs for the instance.
- B. You are charged per second based on the hourly rate.
- C. You have to pay the termination fees if you terminate the instance. right
- D. You pay for as much as you use. wrong

Explanation:

Answer – C

You don't need to pay any termination fees when it comes to EC2 Instances.

For more information on AWS Ec2 On-demand pricing, please refer to the below URL:

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

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Did you like this Question?  

Question 35

Correct

Domain: Cloud Concepts

A website that I have designed On Premise has a consistent increase in traffic during certain occasions like Christmas & Thanksgiving. The first year saw a 20% average increase while the second year saw a 40% average increase. It is observed that every year I need to spend on new Servers which lie idle after usage. If I use AWS Cloud resources instead, the advantage that I will get is. (Choose the best answer)

- A. I can go Global in minutes
- B. I can increase speed & agility of my website
- C. I do not need to maintain the DNS name
- D. I can save on costs due to the elastic nature of the cloud right

Explanation:

Correct Answer: D

As seen from the scenario, every year I need to budget for new servers due to an increase in traffic. This adds to my cost, maintenance of the servers that may not be required at other times in the year. Due to the elastic nature of the cloud, I can directly avail cost benefits by using a pay-as-you-go model and dynamically scaling - OUT & scaling - IN my resources when needed.

Option A is incorrect. Although going global is an advantage of using cloud due to availability of multiple regions, it does not account for our scenario

Option B is incorrect. Speed and agility of a website depends on various factors like application architecture / design, application communication etc..Although a cloud can provide a lot of hosting methodologies like Static web hosting using S3, Using a CDN like CloudFront for performance improvement, it does not account for in our scenario

Option C is incorrect. This is not the best advantage that can be achieved in this scenario. This question does not mention anything about DNS names.

Option D is CORRECT. Using the cloud will have a direct impact on my costs of purchasing new servers each year to support the dynamic increase in load.

Reference:

<https://www.testpreptraining.com/tutorial/aws-cloud-practitioner/define-the-aws-cloud-and-its-value-proposition/>

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Did you like this Question?

**Question 36**

Correct

Domain: Cloud Concepts

0

Which of the following is the customer responsibility with respect to AWS shared responsibility model for cloud Sustainability?

- A. Delivering efficient servers
- B. Optimizing Workload & resource utilization right
- C. Sourcing Renewable power
- D. Achieve high server utilization rates

Explanation:**Correct Answer: B**

With respect to AWS shared responsibility model for cloud Sustainability, AWS is responsible for the sustainability of the cloud while customers are responsible for sustainability in the cloud.

Following are the responsibilities,

1. AWS Responsibility:
 1. Delivering efficient servers
 2. Shared infrastructure
 3. Water stewardship
 4. Sourcing renewable power.

2. Customer Responsibility:

1. Optimizing workloads and resource utilization
2. Minimizing the total resources required to be deployed for workloads.

Option A is incorrect as Delivering efficient servers is AWS's responsibility & not customer responsibility.

Option C is incorrect as Sourcing Renewable power is AWS's responsibility & not customer responsibility.

Option D is incorrect as Achieving high server utilization rates is AWS's responsibility & not customer responsibility.

For more information on Sustainability Pillar, refer to the following URL,

<https://docs.aws.amazon.com/wellarchitected/latest/sustainability-pillar/the-shared-responsibility-model.html>

<https://docs.aws.amazon.com/wellarchitected/latest/sustainability-pillar/design-principles-for-sustainability-in-the-cloud.html>

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Did you like this Question?



Question 37

Incorrect

Domain: Cloud Concepts

In the AWS Well-Architected Framework, which of the following is NOT a Security design principle to design solutions in AWS?

- A. Apply Security only at the edge of the network. right
- B. Protect Data at rest & in transit.
- C. Implement a strong Identity foundation.
- D. Enable Traceability. wrong

Explanation:

Correct Answer: A

Security needs to be applied at all network layers, like edge of network, VPC, all instances & application with the VPC. Applying Security controls at the edge of the network is not an efficient security control & against security design principles.

As per AWS Well-Architected Framework, the following are the design principles for security in the cloud:

- Implement a strong identity foundation.
- Enable traceability.
- Apply security at all layers.
- Automate security best practices.
- Protect data in transit and at rest.
- Keep people away from data.
- Prepare for security events.

Options B, C, & D are incorrect as these are part of security design principles that need to be followed while implementing security controls in the cloud.

For more information on Security Design Principle with AWS Well-Architected Framework, refer to the following URL:

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

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Did you like this Question?



Question 38

Correct

Domain: Cloud Concepts

What is the key difference between an availability zone and an edge location?

- A. An availability zone is a grouping of AWS resources in a specific region. An edge location is a specific resource within the AWS region.
- B. An availability zone is an isolated location within an AWS region, whereas an edge location will deliver cached content to the closest location to reduce latency. right
- C. Edge locations are used as control stations for AWS resources.
- D. None of the above

Explanation:

Answer – B

In AWS, there are regions with each region separated in a separate geographic area. Each region has multiple, isolated locations known as Availability Zones. An availability zone is used to host resources in a specific region.

For more information on Regions and availability zone, please visit the URL:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

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Did you like this Question?



Question 39

Correct

Domain: Security

Which of the following security features is associated with a Subnet in a VPC to protect against incoming traffic requests?

- A. AWS Inspector
- B. Subnet Groups
- C. Security Groups
- D. Network ACL right

Explanation:

Answer – D

The AWS Documentation mentions the following:

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.

For more information on Network ACL, please visit the URL:

https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html

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Did you like this Question?



Question 40

Correct

Domain: Billing and Pricing

0

In AWS billing, what option can be used to ensure costs can be reduced if you have multiple accounts managed by AWS Organizations?

- A. Combined billing.
- B. Consolidated billing - Volume Discounts. right
- C. Costs are automatically reduced for multiple accounts by AWS.
- D. It is not possible to reduce costs with multiple accounts.

Explanation:

Answer – B

You can use the Consolidated Billing feature to consolidate payment for multiple Amazon Web Services (AWS) accounts or multiple Amazon International Services Pvt. Ltd (AISPL) accounts within your organization by designating one of them to be the payer account.

For billing purposes, the consolidated billing feature of AWS Organizations treats all the accounts in the organization as one account. This means that all accounts in the organization can receive the hourly cost-benefit of Reserved Instances that are purchased by any other account.

Option A is incorrect because combined billing is itself the functionality of Consolidated billing.

Options C and D are just the distractors.

Reference:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/useconsolidatedbilling-discounts.html>

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/ri-behavior.html>

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Did you like this Question?



Question 41

Correct

Domain: Technology

You have a Web application hosted in an EC2 Instance that needs to send notifications based on events. Which of the below services can assist in sending notifications?

- A. AWS SES
- B. AWS SNS right
- C. AWS SQS
- D. AWS EC2

Explanation:

Answer – B

The AWS Documentation mentions the following:

Amazon Simple Notification Service (Amazon SNS) is a web service that enables applications, end-users, and devices to send and receive notifications from **the cloud** instantly.

For more information on AWS SNS, please visit the URL:

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

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Did you like this Question?  

Question 42

Incorrect

Domain: Cloud Concepts

Which AWS Well-Architected pillar focuses on using minimum required hardware for resources deployed in AWS Cloud ?

- A. Reliability Pillar
- B. Performance Efficiency Pillar wrong
- C. Sustainability Pillar right
- D. Operational Excellence Pillar

Explanation:

Correct Answer: C

Sustainability Pillar focuses on minimizing environment impact for running resources in AWS cloud. With respect to hardware needs , one of the best practices is to use minimum optimum amount of hardware for running resources in AWS cloud.

Option A is incorrect as the Reliability Pillar focuses on how quickly a resource recovers from a failure.

Option B is incorrect as the Performance Efficiency Pillar focuses on selecting optimised resource size for best performance.

Option D is incorrect as the Operational Excellence Pillar focuses on running & monitoring resources to meet business needs. It includes automating changes & defining SOP's (Standard Operating Procedures) for daily operations.

For more information on AWS Well-Architected and the Six Pillars, refer to the following URL,

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

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Did you like this Question?  

Question 43

Correct

Domain: Technology

Which of the following services can be used to automate application code deployment to Amazon EC2 instance?

A. AWS Elastic Beanstalk

B. AWS CodeDeploy right

C. AWS Config

D. AWS CloudFormation

Explanation:

Correct Answer: B

AWS Code Deploy can be used to automate deployment to Amazon EC2 instances and on-premise servers.

Option A is incorrect as AWS Elastic Beanstalk is an application management platform that can be used for managing application deployment handling capacity provisioning, load-balancing, auto-scaling & application health monitoring.

Option C is incorrect as AWS Config can be used to audit, evaluate configurations of AWS resources. It is not used to automate code deployment to Amazon EC2 instance.

Option D is incorrect as AWS CloudFormation is used for infrastructure deployment & automating resource creation within AWS Cloud Infrastructure.

For more information on AWS CodeDeploy, refer to the following URL:

<https://aws.amazon.com/codedeploy/faqs/?nc=sn&loc=6>

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Did you like this Question?



Question 44

Correct

Domain: Technology

Which of the following are benefits of the AWS's Relational Database Service (RDS)? Choose the 2 correct answers from the options below.

A. Automated patches and backups right

B. DB owner can resize the capacity accordingly right

C. It allows you to store unstructured data

D. It allows you to store NoSQL data

Explanation:

Answer - A and B

The AWS Documentation mentions the following:

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

For more information on AWS RDS, please visit the URL:

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

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Did you like this Question?

**Question 45**

Incorrect

Domain: Security

While using IAM within AWS, they recommend a list of best practices to be used while managing Users & their permissions. Which of the IAM practices are best to be chosen? Select TWO.

- A. An IAM user should be given default access to all services for being able to develop & deliver applications quickly
- B. Users should be provided both Passwords & Access keys within the AWS environment wrong
- C. Within AWS, services should use roles for accessing other services right
- D. For cross account access it is best to share the Access Keys when one Account needs to access services of another Account
- E. While creating an AWS Account, its best to create an IAM user & use that Account right

Explanation:**Correct Answers:** C and E

Option A is incorrect. The principle of “Grant Least Privilege” suggests providing least & granular access to any User for accessing AWS services. This will help enhance security of the system and prevent users from performing malicious / accidental tasks within the AWS environment that may compromise the system

Option B is incorrect. It's always best to see what kind of access the user requires. If a user does not use the Command Line Interface (CLI), it's best to avoid giving him access to Access Keys. Similarly, if an user only uses the CLI for development, he should be prohibited from accessing the AWS admin console using a password

Option C is CORRECT. Roles provide temporary access to AWS services & they dont require to share the Access Keys. A role that is created may be assigned a definite set of permissions for accessing different services. The service that uses the role actually assumes the role with which it can perform actions on another service. This way, we can induce granular permissions as well as prevent long lived Access Keys from being compromised

Option D is incorrect. Cross account access are scenarios where users in one Account would like to access services of other Accounts. Eg An user may use AWS Partner solutions to interact with a Customer's Account for monitoring it or do some orchestration. Access keys are long lived credentials for which the AWS Partner must ensure to manage those keys by rotating them frequently to avoid them from being compromised. Roles defined with temporary access permissions when given to the user for accessing the Customer's account will be a best practice here without having to provide Access keys.

Option E is CORRECT. Root accounts that are created should have their Access Keys locked to prevent compromising them. Root Accounts have complete Access Privileges to access different AWS resources. The best practice will be to create an IAM User, Assign required permissions & login as that user for accessing AWS services

Reference:

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

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Did you like this Question?

**Question 46**

Correct

Domain: Technology

A company wants to create standard templates for the deployment of their Infrastructure. Which AWS service can be used in this regard?

A. Amazon Simple Workflow Service

B. AWS Elastic Beanstalk

C. AWS CloudFormation right

D. AWS OpsWorks

Explanation:

Answer – C

AWS CloudFormation gives developers and systems administrators an easy way to create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion.

For more information on Cloudformation, please visit the URL:

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

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Did you like this Question?  

Question 47

Incorrect

Domain: Billing and Pricing

You have a distributed application that periodically processes large volumes of data across multiple Amazon EC2 Instances. The application is designed to recover gracefully from Amazon EC2 instance failures. You are required to accomplish this task most cost-effectively.

Which of the following will meet your requirements?

A. Spot Instances right

B. Reserved instances

C. Dedicated instances

D. On-Demand instances wrong

Explanation:

Answer – A

When you think of cost effectiveness, you can either have to choose Spot or Reserved instances. Now when you have a regular processing job, the best is to use spot instances. Since your application is designed to recover gracefully from Amazon EC2 instance failures, there is no issue even if you lose the Spot instances.

For more information on spot instances, please visit the URL:

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

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Did you like this Question?



Question 48

Correct

Domain: Technology

You want to create a stream processing solution to process and query real-time streaming data using a SQL-based solution. You are looking for the simplest approach available that AWS provides.

What AWS service should you use?

- A. Amazon Kinesis Data Streams
- B. Amazon Kinesis Data Analytics right
- C. Amazon Kinesis Client Library
- D. Amazon Kinesis Data Firehose

Explanation:

Answer: B

Option A is INCORRECT because Amazon Kinesis Data Streams is not an AWS service to build analytics applications. It is an ingestion service that provides data streams to consumers (e.g., analytic applications).

AWS documentation mentions that “Amazon Kinesis Data Streams (KDS) is a massively scalable and durable real-time data streaming service.... The data collected is available in milliseconds to enable real-time analytics use cases such as real-time dashboards, real-time anomaly detection, dynamic pricing, and more”.

Option B is CORRECT because AWS documentation (FAQ section) mentions that “If you want a fully managed solution and you want to use SQL to process the data from your data stream, you should use Kinesis Data Analytics”.

Option C is INCORRECT because Amazon Kinesis Client Library (KCL) is a service to process and query streaming data using SQL. KCL is more complicated than AWS Kinesis Data Analytics.

AWS documentation mentions that “Kinesis Data Analytics uses the KCL to read data from streaming data sources as one part of your underlying application. The service abstracts this from you, as well as many of the more complex concepts associated with using the KCL, such as checkpointing”.

Option D is INCORRECT because Amazon Kinesis Data Firehose is a service for loading data streams and not creating SQL-based applications.

Diagram: none**References:**

<https://aws.amazon.com/kinesis/data-streams/>

<https://aws.amazon.com/kinesis/data-analytics/faqs/?nc=sn&loc=6> (explanation of option C)

<https://aws.amazon.com/kinesis/data-firehose/>

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Did you like this Question?



Correct

Question 49

Domain: Technology

What of the following AWS services allows developers to deploy and manage web applications on the cloud easily?

- A. Amazon Route 53
- B. AWS Elastic Beanstalk right
- C. Amazon CloudFront
- D. Elastic Container Service

Explanation:

Answer - B

AWS Elastic Beanstalk makes it even easier for developers to deploy and manage web applications in the AWS Cloud quickly. Developers simply upload their application and Elastic Beanstalk automatically handles the deployment details of capacity provisioning, load balancing, auto-scaling, and application health monitoring.

For more information on Elastic Beanstalk, please visit the URL:

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

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Did you like this Question?

**Question 50**

Correct

Domain: Technology

A company is deploying a new two-tier web application in AWS. The company wants to store their most frequently used data to improve the response time for the application. Which AWS service provides the caching solution for the company's requirements?

- A. MySQL Installed on two Amazon EC2 Instances in a single Availability Zone
- B. Amazon RDS for MySQL with Multi-AZ
- C. Amazon ElastiCache right
- D. Amazon DynamoDB

Explanation:

Answer - C

Amazon ElastiCache is a web service that makes it easy to deploy, operate, and scale an in-memory data store or cache in the cloud. The service improves the performance of web applications by allowing you to retrieve information from fast, managed, in-memory data stores, instead of relying entirely on slower disk-based databases.

For more information on Elastic cache, please visit the link:

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

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Did you like this Question?



Question 51

Correct

Domain: Cloud Concepts

If you want to take a backup of an EBS Volume, what would you do?

- A. Store the EBS volume in S3.
- B. Store the EBS volume in an RDS database.
- C. Create an EBS snapshot. right
- D. Store the EBS volume in DynamoDB.

Explanation:

Answer - C

The AWS Documentation mentions the following:

You can back up the data on your Amazon EBS volumes to Amazon S3 by taking point-in-time snapshots.

For more information on EBS Snapshots, please visit the link:

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

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Did you like this Question?



Question 52

Incorrect

Domain: Technology

Which of the following components of the AWS Batch can be used to define the memory requirement of the resources ?

- A. Jobs
- B. Compute Environment
- C. Job Queue wrong
- D. Job Definitions right

Explanation:

Correct Answer: D

Job Definitions can be used to specify how a job runs in a compute environment. It can be used to define memory, CPU requirements , IAM roles required for running the Jobs, container properties, environment variables, and mount points for persistent storage

Option A is incorrect as Jobs is a script or executable file which is submitted to AWS Batch. Parameters for running a Job are defined in Job Definitions.

Option B is incorrect as Compute Environment is a set of compute resources which are used to run the Jobs. These resources can be either managed compute resources or unmanaged compute resources.

Option C is incorrect as Job Queue can be used to specify priority of the jobs which are submitted to AWS Batch. For time-sensitive jobs , high priority can be defined while low priority can be assigned to jobs which can run at off-peak hours when resources are cheaper.

For more information on components of AWS Batch, refer to the following URL,

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

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Did you like this Question?



Question 53

Correct

Domain: Cloud Concepts

Which of the following options of AWS RDS allows for AWS to failover to a secondary database in case the primary one fails?

- A. Amazon RDS Multi-AZ deployments right
- B. AWS Failover
- C. AWS Secondary
- D. AWS Standby

Explanation:

Answer – A

The AWS Documentation mentions the following.

Amazon RDS Multi-AZ deployments provide enhanced availability and durability for Database (DB) Instances, making them a natural fit for production database workloads. When you provision a Multi-AZ DB Instance, Amazon RDS automatically creates a primary DB Instance and synchronously replicates it 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 you can resume database operations as soon as the failover is complete.

Options B, C and D are the distractors because there is no AWS service like failover, standby or secondary. Failover is the situation when Multi-AZ appears and Standby or Secondary represents other RDS servers appears during Multi-AZ deployments.

For more information on AWS RDS Multi-AZ, visit the below link:

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

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Did you like this Question?



Question 54

Correct

Domain: Cloud Concepts

0

For which of the following AWS resources, the Customer is responsible for the infrastructure-related security configurations?

- A. Amazon RDS
- B. Amazon DynamoDB
- C. Amazon EC2 right
- D. AWS Fargate

Explanation:

Correct Answer: C

Amazon EC2 is an Infrastructure as a Service (IaaS) for which customers are responsible for the security and the management of guest operating systems.

Options A, B, and D are incorrect as all these resources are part of abstracted services for which AWS is responsible for the security, & infrastructure layer. Customers are responsible for data that is saved on these resources.

For more information on the Shared responsibility model, refer to the following URL:

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

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Question 55

Correct

Domain: Technology

0

Which of the following statements regarding Amazon Athena are accurate? (Select TWO)

- A. Amazon Athena queries data directly from Amazon S3. right
- B. Amazon Athena is not suitable for complex analysis such as large joins, window functions and arrays.
- C. Amazon Athena resources are allocated in accordance to processing and memory requirements prior to deployment.
- D. Amazon Athena is compatible with data formats such as CSV, JSON, ORC, AVRO and Parquet right
- E. Amazon Athena uses a variety of query languages including SQL, LDAP, JPQL as well as CQL.

Explanation:

Correct Answer – A, D

Amazon Athena a serverless query service that does not need to build databases on dedicated Elastic Block Store (EBS) volumes. Instead, it builds tables from data read directly from Amazon S3 buckets. Amazon Athena does not store any of the data. The service is compatible with the regular data formats that include CSV, JSON, ORC, AVRO and Parquet.

<https://docs.aws.amazon.com/athena/latest/ug/what-is.html>

Option B is incorrect because Amazon Athena can query Big Data, complex analysis such as large joins, window functions and arrays.

Option C is incorrect because Amazon Athena is serverless. Thus the service scales following the resource demands. No prior resource planning is necessary.

Option E is incorrect because Amazon Athena uses SQL only.

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Did you like this Question?



Question 56

Correct

Domain: Technology

An administrator is running a large deployment of AWS resources that are spread across several AWS Regions. They would like to keep track of configuration changes on all the resources and maintain a configuration inventory. What is the best service they can use?

- A. AWS CloudFormation
- B. Stacks and Templates
- C. AWS Backup
- D. AWS Config right

Explanation:

Correct Answer – D

AWS Config will meet the scenario requirements. The service allows the administrator to monitor and record configuration changes on AWS resources in their account. The service also allows the administrator to create a resource configuration inventory.

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

Option A is incorrect because AWS CloudFormation will allow the administrator to create templates of resources such as EC2 instances and RDS instances but not the actual configurations in these resources.

Option B is incorrect because Templates and Stacks form the basis of AWS CloudFormation. They aid in the automated deployment of whole environments but not the applications that run in them.

Option C is incorrect because AWS Backup is a fully managed service that allows the administrator to back up data in the cloud and on-premises. The service is not the most appropriate to monitor and record resource configuration changes.

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Did you like this Question?



Question 57

Incorrect

Domain: Technology

Whilst working on a collaborative project, an administrator would like to record the initial configuration and several authorized changes that engineers make to the route table of a VPC. What is the best method to achieve this?

- A. Use of AWS Config right
- B. Use of VPC Flow Logs wrong
- C. Use of AWS CloudTrail

D. Use of an AWS Lambda function that is triggered to save a log file to an S3 bucket each time configuration changes are made.

Explanation:

Correct Answer – A

AWS Config can be used to keep track of configuration changes on AWS resources, keeping multiple date-stamped versions in a reviewable history. This makes it the best method to meet the scenario requirements.

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

Option B is incorrect because VPC flow logs will only capture IP traffic-related information passing through and from network interfaces within the VPC. VPC flow logs will not be able to capture configuration changes made to route tables.

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

Option C is incorrect because AWS CloudTrail will capture identity access activity, event history into the AWS environment. Recording the actions and API calls are not best suited to keep a record of configurations.

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

Option D is incorrect because using a Lambda function to write configuration changes might meet the requirements, but it would not be the best method. AWS Config can deliver what is needed with much less administrative input.

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Did you like this Question?



Question 58

Correct

Domain: Technology

A company does not want to manage their database. Which of the following services is a fully managed NoSQL database provided by AWS?

- A. AWS RDS
- B. DynamoDB right
- C. Oracle RDS
- D. Elastic Map Reduce

Explanation:

Answer – B

DynamoDB is a fully managed NoSQL offering provided by AWS. It is now available in most regions for users to consume.

For more information on AWS DynamoDB, visit the below link:

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

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Did you like this Question?



Correct

Question 59**Domain:** Billing and Pricing

Which of the following tools can be used to create an estimated cost for a new solution to be deployed on AWS Cloud infrastructure?

- A. AWS Cost and Usage Report
- B. AWS Budgets
- C. AWS Cost Explorer
- D. AWS Pricing Calculator right

Explanation:**Correct Answer :**D

AWS Pricing Calculator helps create estimated usage costs for all resources to be deployed on AWS Cloud Infrastructure.

Option A is incorrect as AWS Cost and Usage Report will provide detailed data for usage summary.**Option B is incorrect** as AWS Budget can set a custom budget to track usage for AWS resources.**Option C is incorrect** as AWS Cost Explorer can be used to analyze & manage AWS usage.

For more information on AWS Pricing Calculator, refer to the following URL:

<https://docs.aws.amazon.com/pricing-calculator/latest/userguide/what-is-pricing-calculator.html>[Ask our Experts](#)[+ View Queries](#)

Did you like this Question?

**Question 60**

Incorrect

Domain: Technology

A small finance institute is looking for an option of launching an accounting application in AWS cloud. Which of the following services can be used for quick launch with a pre-configured resource?

- A. Amazon Workspaces
- B. AWS Elastic Beanstalk wrong
- C. AWS Batch
- D. Amazon LightSail right

Explanation:**Correct Answer:**D

Amazon LightSail is a virtual private server which can be used to quickly launch business applications in AWS cloud at a low cost. It can also be used to launch simple web sites and to set up a test environment. These applications are launched on a pre-configured resource in an AWS cloud.

Option A is incorrect as Amazon Workspaces provides a secure managed service for virtual desktops for remote users. It is not suitable for launching a quick business application..

Option B is incorrect as AWS Elastic Beanstalk deploys web applications on AWS infrastructure. Once application code is uploaded, AWS Elastic Beanstalk handles deployment along with capacity provisioning, auto-scaling, load balancing & health monitoring. Amazon LightSail is better suited for simple applications and when flexibility in resource configurations is not required.

Option C is incorrect as AWS Batch can be used for managed batch processing activities using compute like Amazon EC2, AWS Fargate or Spot instance.

For more information on Amazon LightSail, refer to the following URL,

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

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Did you like this Question?



Question 61

Incorrect

Domain: Technology

Which of the following services helps provide a connection from on-premises infrastructure to resources hosted in the AWS Cloud? Choose 2 answers from the options given below.

- A. AWS VPC wrong
- B. AWS VPN right
- C. AWS Direct Connect right
- D. AWS Subnets

Explanation:

Answer – B and C

The AWS Documentation mentions the following.

AWS Direct Connect makes it easy to establish a dedicated network connection from your premises to AWS. Using AWS Direct Connect, you can establish private connectivity between AWS and your datacenter, office, or colocation environment, which in many cases can reduce your network costs, increase bandwidth throughput, and provide a more consistent network experience than Internet-based connections.

You can connect your VPC to remote networks by using a VPN connection.

For more information on AWS Direct Connect, please visit the link:

<https://aws.amazon.com/directconnect/?p=tile>

For more information on AWS VPN, please visit the link:

<https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpn-connections.html>

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Did you like this Question?



Question 62

Corre

Domain: Cloud Concepts

Which of the following is a template that contains the software configuration to launch an ec2 instance?

- A. EBS Volumes
- B. AMI right
- C. EC2 Snapshot
- D. EBS Snapshot

Explanation:

Answer – B

The AWS Documentation mentions the following

An Amazon Machine Image (AMI) provides the information required to launch an instance, which is a virtual server in the cloud. You specify an AMI when you launch an instance, and you can launch as many instances from the AMI as you need. You can also launch instances from as many different AMIs as you need.

For more information on Amazon Machine Images, please refer to the following link:

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

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Did you like this Question?  

Question 63

Correct

Domain: Billing and Pricing

There is a requirement to host a set of servers in the Cloud for a short period of 3 months. The instances should be highly available and cost-effective. The instances can not be interrupted during processing. Which of the following types of instances should be chosen?

- A. Spot Instances
- B. On-Demand right
- C. No Upfront costs Reserved
- D. Partial Upfront costs Reserved

Explanation:

Answer – B

Since the requirement is just for 3 months and the instances cannot be interrupted during processing, the most suitable type is On-Demand Instances.

For more information on AWS On-Demand Instances, please visit the link:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-on-demand-instances.html>

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Did you like this Question?



Question 64

Incorrect

Domain: Security

Which three actions can Amazon Macie perform on the users' data with artificial intelligence (AI) and machine learning (ML)?

- A. Discover, Monitor, Protect right
- B. Observe, Design, Alert
- C. Optimize, Alert, Secure
- D. Detect, Discover, Alert wrong

Explanation:

Correct Answer – A

Amazon Macie is a fully managed data security and data privacy service that uses machine learning and pattern matching to help you discover, monitor, and protect sensitive data in your AWS environment.

Amazon Macie Classic is a security service that uses machine learning to automatically discover, classify, and protect sensitive data in AWS.

Macie Classic is supported in the following AWS Regions:

US East (N. Virginia) (us-east-1)

US West (Oregon) (us-west-2)

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

<https://docs.aws.amazon.com/macie/latest/user/what-is-macie.html>

Option B is incorrect because observe, design, alert is not the main functional components of Amazon Macie.

Option C is incorrect because optimize, alert, secure is not the main functional components of Amazon Macie.

Option D is incorrect because detect, discover, alert are not the main functional components of Amazon Macie.

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Did you like this Question?



Question 65

Correct

Domain: Cloud Concepts

Which of the following is not a disaster recovery deployment technique?

- A. Pilot light
- B. Warm standby

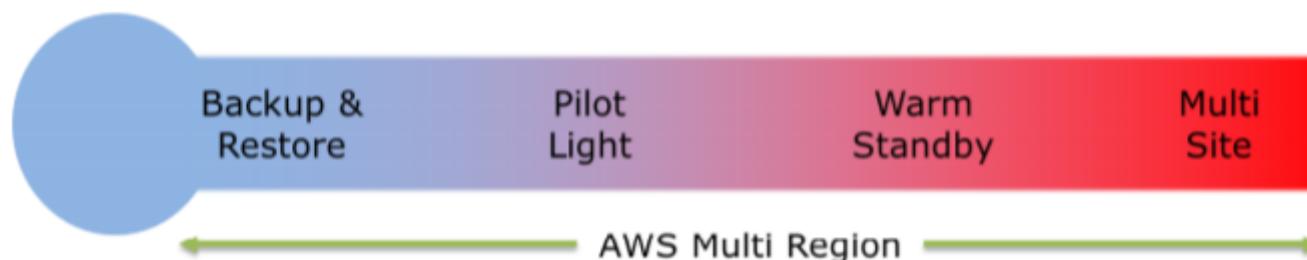
C. Single Site right

D. Multi-Site

Explanation:

Answer - C

The below snapshot from the AWS documentation shows the different disaster recovery techniques.



For more information on Disaster recovery techniques, please refer to the below URL:

<https://aws.amazon.com/blogs/aws/new-whitepaper-use-aws-for-disaster-recovery/>

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