Quick Quiz September 16, 2022

Test ID: 224020919

Question #1 of 65

Question ID: 1455522

For which purpose would you use an IAM credentials report?

- ✗ **A)** Set password rotation for IAM users
- ✗ **B)** Make programmatic calls to AWS
- ✗ **C)** Change password complexity for IAM users
- ✓ **D) List the status of IAM user MFA devices**

Question #2 of 65

Question ID: 1455510

You need to find ways to ensure accountability across your AWS Cloud deployment. Which of these will you use to check all user activity and API calls made on the AWS system?

- ✓ **A) CloudTrail**
- ✗ **B)** Trusted Advisor
- ✗ **C)** CloudWatch
- ✗ **D)** Config

Question #3 of 65

Question ID: 1455561

Which of these statements correctly defines an Availability Zone?

    ✗ **A)** A location that contains AWS compliance reports

    ✗ **B)** A place that has several locations isolated from each other

    ✗ **C)** The place where content is cached for providing low latency access for users

    ✓ **D) An isolated part of the AWS Global Infrastructure**

Question #4 of 65

Question ID: 1455505

You are managing several AWS EC2 instances that you just created. You need to configure an AWS firewall to protect the traffic coming in to the application that has been installed on top of the EC2 instance. You also want to understand the shared responsibility model.

What is the name of the AWS-provided firewall, and who is responsible for its setup and configuration?

    ✗ **A)** Inherited controls, and the AWS security team is responsible

    ✗ **B)** Security group, and AWS is responsible

    ✗ **C)** Inherited controls, and AWS is responsible

    ✓ **D) Security group, and it is the customer's responsibility**

Question #5 of 65

Question ID: 1455639

Which two support cases can you create using AWS Support from the AWS Management Console? (Choose two.)

    ✗ **A)** Support plan change

    ✗ **B)** Closing your account

✗ **C)** Change the root account email address

✓ **D)** **Service limit increase**

✓ **E)** **Account and billing**

Question #6 of 65

Question ID: 1455465

What type of Amazon VPC endpoint focuses on AWS services related only to DynamoDB and Amazon S3 components?

✗ **A)** Virtual Private Cloud (VPC)

✗ **B)** **VPC Peering**

✗ **C)** Interface type endpoint

✓ **D)** Gateway type endpoint

Question #7 of 65

Question ID: 1455516

Which of the following is considered a security best practice for an operating system or application?

✗ **A)** Remove IAM user accounts every calendar month.

✗ **B)** Add additional EBS volumes in case they are needed at a later time.

✓ **C)** **Create a primary function for the Amazon EC2 instance, such as separating web servers from database servers.**

✗ **D)** Enable potentially useful protocols and services to save on development time.

Question #8 of 65

What is the name of a Trojan or worm that has infiltrated a fleet of EC2 instances that can be controlled by an external or remote user with malicious intent?

X **A)** MFA

X **B)** Trusted Advisor tool

✓ **C)** Botnets

X **D)** **SPAM**

Question #9 of 65

When does Amazon DynamoDB encrypt data at rest?

X **A)** Only when you use an ALTER TABLE command

✓ **B)** Only when you create a new table structure

X **C)** Only when you create a new table structure within the US East (Ohio) region

X **D)** **When the first rows of data enter the table**

Question #10 of 65

Which of these would you use for running programs that can automatically retrieve key costs related to various AWS services?

X **A)** AWS Simple Monthly Calculator

✓ **B)** AWS Pricing API

✗ **C)** AWS Services Catalog

✗ **D) AWS Cost Explorer**

Question #11 of 65

Which of the following is considered a fully functional and heavily used NoSQL database as a service (DBaaS)?

✓ **A) Amazon DynamoDB**

✗ **B)** Amazon ElastiCache

✗ **C)** Amazon SNS

✗ **D)** Amazon Relational Database Service (Amazon RDS)

Question #12 of 65

Your company wants to launch a few new Web applications with minimal overhead. You want to deploy and operate your applications on AWS cloud in the easiest way without having to provision resources individually by yourself. Which tool should you use?

✗ **A)** AWS SDKs

✓ **B)** AWS Elastic Beanstalk

✗ **C) AWS Management Console**

✗ **D)** AWS CloudFormation

Question #13 of 65

Question ID: 1455491

What is a key capability of an Amazon S3 data lake architecture component?

✓ **A)** **Utilizes a broad perspective of data science, data analytics, and machine learning in a centralized platform.**

× **B)** Being able to query data in multiple availability zones.

× **C)** Transform raw data into multiple regions for backup purposes.

× **D)** Gives you the ability to implement a single sign-on within the data lake.

Question #14 of 65

Question ID: 1455457

Your company is considering a migration strategy for moving its operations onto AWS Cloud. You need to move applications to the cloud with minimal changes to the existing applications. Which of these will you use?

× **A)** Repurchasing

× **B)** Refactoring

✓ **C)** **Rehosting**

× **D)** Replatforming

Question #15 of 65

Question ID: 1455552

You are tasked with understanding the different sections of an IAM policy. Your boss wants to know what section of an IAM policy manages the behaviors such as allow or deny. What should you tell him?

✓ **A)** Effects

✗ **B)** Resources

✗ **C)** Actions

✗ **D) IAM permission boundaries**

Question #16 of 65

Question ID: 1455595

You need to select an AWS data storage option for your company, but you are presently unsure of the access patterns of your data objects. Which would be the right storage class you should use?

✗ **A)** S3 Standard

✗ **B)** S3 Glacier

✓ **C) S3 Intelligent-Tiering**

✗ **D)** S3 One Zone-IA

Question #17 of 65

Question ID: 1455588

You work for a financial services company, and you need to find a way to automatically detect and analyze handwritten notes inside of financial reports. Which AWS service should you use?

✗ **A)** Translate

✓ **B) Textract**

✗ **C)** Forecast

✗ **D)** Transcribe

Question #18 of 65

You need to find a way to achieve elasticity for your AWS system. What would you do for this?

   ✗ **A)** Use AWS Global Accelerator.

   ✗ **B)** Use Amazon EKS.

   ✗ **C)** Create an SNS topic.

   ✓ **D)** **Use Amazon EC2 Auto Scaling.**

Question #19 of 65

As an IT specialist with a cloud background, you are concerned with the overall recoverability of your data within the cloud. What does Amazon S3 offer to alleviate this concern?

   ✗ **A)** Data is stored in silos in another country.

   ✓ **B)** The S3 infrastructure is considered eventually consistent.

   ✗ **C)** Data is replicated to multiple regions within an availability zone.

   ✗ **D)** **Data within Amazon S3 storage is backed up to tape nightly.**

Question #20 of 65

You are working with a developer that is migrating into the AWS infrastructure. The on-premises system has several processes that have to be executed manually. The developer wants to use a serverless solution and needs an AWS resource that can manage scripts, packages, and specific app code while being stored in the Amazon S3 environment.

What AWS service can meet these requirements?

   ✗ **A)** AWS IAM

   ✗ **B)** AWS EC2

   ✓ **C)** **AWS CodeDeploy**

   ✗ **D)** AWS CloudWatch

Question #21 of 65

Question ID: 1455550

You work for a large hospital as a Sysops administrator. You need to grant an outside user temporary access to an EC2 instance that you created within your VPC environment. You need to restrict access to a specific user, aws user_carl, and then you want to limit their access to AWS Certification Manager (ACM).

Which type of policy would best meet this requirement?

   ✗ **A)** AWS bucket policy

   ✗ **B)** **AWS IAM user policy**

   ✓ **C)** AWS inline policy

   ✗ **D)** AWS managed policy

Question #22 of 65

Question ID: 1455542

What does Amazon recommend for protecting data in transit when you have a concern of accidental information disclosure?

✓ **A)** IPSec ESP

✗ **B)** **Encryption server side**

✗ **C)** Digital signature

✗ **D)** TrueCrypt

Question #23 of 65

Question ID: 1455616

You are managing several different AWS environments. Two of your many responsibilities is to make sure that the AWS resources do not exceed their resource limits and at the same time demonstrate AWS best practices. You need a simple way of validating these service level limits to protect your systems so that they continually perform at their highest levels.

What resource will allow you to accomplish this task?

✗ **A)** AWS Inspector

✓ **B)** **AWS Trusted Advisor**

✗ **C)** AWS Config

✗ **D)** AWS Personal Health Dashboard

Question #24 of 65

Question ID: 1455459

Your manager wants you to analyze all of the logs from several different applications running within your AWS EC2 infrastructure. Which AWS component would you use for this type of logging functionality?

✗ **A)** An HTTPS load balancer

✓ **B) CloudWatch Logs agent**

✗ **C)** Dynamic scaling

✗ **D)** CloudFormation

Question #25 of 65

Which of these AWS services allow you to use serverless computing for a Web backend processing application?

✓ **A) AWS Lambda**

✗ **B)** AWS CloudWatch

✗ **C)** Amazon EBS

✗ **D)** Amazon EC2

Question #26 of 65

You are instructed to create an Amazon RDS database environment. At the same time, you are advised that you need to understand how you are going to be billed based on your research and design of the newly created RDS environment.

As of today, your EC2 instance has been connected for 8 hours and 45 minutes. Keep in mind there are no setup fees and no minimums to be concerned with.

Which billing option specifies how you would be billed?

✗ **A)** Network time

✗ **B)** Listeners

✓ **C) Running time**

✗ D) Dynamic scaling

Question #27 of 65

Question ID: 1455464

What is an Amazon solution for creating a logical private connection between a remote network and an Amazon VPC?

✗ **A)** VPC Peering

✗ **B)** AWS VPN CloudHub

✗ **C)** Hardware VPN

✓ **D) AWS Direct Connect**

Question #28 of 65

Question ID: 1455488

You need to analyze several terabytes worth of unstructured data using columnar storage. Which type of database would you use?

✓ **A)** Amazon Redshift

✗ **B)** Amazon Aurora

✗ **C)** Amazon RDS

✗ **D) Amazon DynamoDB**

Question #29 of 65

Question ID: 1455638

You need to configure a new AWS deployment for your company. For this, you need to get an estimate on the possible amount you will have to pay for making this new deployment. Which of these will you utilize for this?

✗ **A)** AWS Cost and Usage Report

✗ **B)** AWS Marketplace

✓ **C) AWS Pricing Calculator**

✗ **D)** Amazon Quicksight

Question #30 of 65

Question ID: 1455548

Which of these is a private cloud deployment?

✗ **A)** Cloud-based

✓ **B) On-premise**

✗ **C)** PAYG

✗ **D)** Hybrid

Question #31 of 65

Question ID: 1455523

As your company's AWS Cloud administrator, you have just logged in as the root user for the first time. What should you do immediately as a security best practice?

✓ **A) Turn on MFA for the root account.**

✗ **B)** Disable the root account..

✗ **C)** Delete the access keys.

✗ **D)** Delete the root account.

Question #32 of 65

Amazon recommends their Amazon S3 Glacier services for which of the following situations?

✗ **A)** Data recovery time is within minutes and data access is frequent.

✗ **B)** Data is continually accessed and recovery time is less than 10 minutes.

✗ **C)** Data older than 180 days is automatically removed from the system.

✓ **D) Data is rarely accessed and data recovery time is around 3-5 hours.**

Question #33 of 65

You need to suggest key technologies your company can leverage on its AWS Cloud for its operations. Which of these AWS services can you use for block storage of data? (Choose two.)

✓ **A) EBS**

✗ **B)** RDS

✗ **C) EC2**

✓ **D)** EFS

✗ **E)** S3

Question #34 of 65

You work for a holding company that manages several other companies that support several different industries. You are tasked with setting up AWS accounts for each company within the holdings portfolio. You are also required to manage these accounts from a global perspective and keep up with the billing information related to these new AWS accounts.

Which of the following policies would best meet these requirements?

   ✗ **A)** Use IAM policies

   ✗ **B)** Use IAM users

   ✓ **C)** **Use AWS Organizations**

   ✗ **D)** Use Consolidated billing

Question #35 of 65

Which two features of EC2 Reserved Instances? (Choose two.)

   ✗ **A)** They are ideal for workloads that are interruptible.

   ✗ **B)** They only need to be paid for as much as they are utilized.

   ✓ **C)** **They offer up to 75% savings over using On-Demand Instances.**

   ✗ **D)** Their hourly cost benefits are shared across accounts.

   ✓ **E)** **They need a commitment for a one- or three-year term.**

Question #36 of 65

You are a sysops engineer for a company that manages the distribution of music for a large record label. Music is downloaded all across North America. Certain areas geographically download large amounts of music as compared to other less populated areas. However, you are seeing a trend of customers complaining about the time it takes to download their music.

What would be the most cost effective solution?

   ✗ **A)** NAT gateway

   ✓ **B) Amazon CloudFront**

   ✗ **C)** DNS

   ✗ **D)** Alias record

Question #37 of 65

What is an Amazon best practice for securing applications running within an Amazon EC2 infrastructure?

   ✗ **A)** Run services on the system that might be used later on to save on startup costs to the system.

   ✗ **B)** Enable scripts used on a system ahead of predetermined maintenance tasks.

   ✓ **C) Disable or dispose of unused user accounts.**

   ✗ **D)** Keep in place vendor provided defaults when creating new AMIs to prevent difficulties in application installs.

Question #38 of 65

Which of the following statements are FALSE when creating an Amazon S3 bucket? (Choose all that apply.)

   ✗ **A)** You cannot use uppercase letters in bucket names.

✗ **B)** You cannot use underscores in bucket names.

✓ **C) The bucket name can be duplicated between accounts.**

✗ **D)** The bucket name cannot be duplicated between accounts.

✓ **E) The bucket name can be changed after it has been created.**

Question #39 of 65

<div style="text-align:right">Question ID: 1455462</div>

What is the total number of Virtual Private Clouds (VPCs) you can have within an individual region?

✗ **A)** 500

✗ **B)** 50

✓ **C) 5**

✗ **D)** 200

Question #40 of 65

<div style="text-align:right">Question ID: 1455565</div>

How many Internet gateways can be attached to an Amazon VPC?

✗ **A)** 16

✗ **B)** 5

✓ **C) 1**

✗ **D)** 28

Question #41 of 65

You need to select the correct computing options for your company's workloads. Which EC2 instance type would be the right choice for workloads that process datasets for high-performance databases?

   ✗ **A)** Storage optimized

   ✗ **B)** Compute optimized

   ✗ **C)** General purpose

   ✓ **D)** **Memory optimized**

Question #42 of 65

You have just created an EC2 instance using an AMI that uses a Linux Ubuntu operating system. A security report suggested that the operating system might need to be patched.

How would you classify the operating system that needs to be patched, and whose responsibility is it to patch it?

   ✗ **A)** AWS-owned operating system, and Amazon's responsibility

   ✓ **B)** **Guest operating system, and the customer's responsibility**

   ✗ **C)** Guest operating system, and Amazon's responsibility

   ✗ **D)** AWS-owned operating system, and the customer's responsibility

Question #43 of 65

Amazon's shared responsibility model for infrastructure services, including EC2, states that Amazon is responsible for which three security components?

✓ **A)** **Facilities**

✗ **B)** Policies and configuration

✓ **C)** **Virtualization infrastructure**

✓ **D)** **Physical security of hardware**

✗ **E)** Credentials

✗ **F)** Data in transit

Question #44 of 65

You are a system operator focusing on monitoring a group of servers within the AWS infrastructure and a group of servers that are on-premises. You are tasked with monitoring metrics at the system level for both groups of servers within a universal dashboard.

How would you accomplish this task? (Choose two.)

✗ **A)** Configure the metrics dashboard within CloudTrail.

✓ **B)** Install the CloudWatch agent.

✓ **C)** **Configure the metrics dashboard within CloudWatch.**

✗ **D)** **Migrate the on-premises systems to AWS to ensure they can be monitored properly.**

Question #45 of 65

You work for a large company that manages automobile sales. They have just moved their first production application to the AWS infrastructure. Your technical leadership wants to make sure that security practices are structured and implemented within the AWS environment.

Which of the following options would be considered the customer's responsibility?

✗ **A)** Patching the underlying system within AWS.

✗ **B)** No patching is required by the customer.

✗ **C)** Patching the AWS storage.

✓ **D) Patching the OS within an EC2 instance.**

Question #46 of 65

Question ID: 1455463

What is the name of an Amazon resource that allows you to create subnets, modify IP address ranges, change network gateways, configure route tables, and modify advanced security settings?

✗ **A)** Hardware VPN

✗ **B)** Software VPN

✓ **C) Virtual Private Cloud (VPC)**

✗ **D)** VPC Peering

Question #47 of 65

Question ID: 1455460

Which service allows you to create and manage several different types of databases within the cloud?

✗ **A)** Amazon DynamoDB

✓ **B) Amazon RDS**

✗ **C)** Database Migration Service

✗ **D)** Amazon Redshift

Question #48 of 65

Which AWS service provides protection against DDoS attacks for free and is a key component of the Reliability pillar within the AWS framework?

✗ **A)** AWS Route53

✗ **B)** AWS Direct Connect

✓ **C) AWS Shield**

✗ **D)** AWS ELB

Question #49 of 65

You company has several AWS Cloud accounts and VPCs in all of them. You need to integrate several VPCs into a much larger network. Which two connectivity options can you use for this? (Choose two.)

✗ **A)** Global tables

✗ **B)** Snowmobile

✗ **C) Storage Gateway**

✓ **D)** Software Site-to-Site VPN

✓ **E) AWS Transit Gateway**

Question #50 of 65

Which types of instances would an Auto Scaling group use? (Choose all that apply.)

   ✗ **A)** Instances that are running and not part of an Auto Scaling group

   ✓ **B) Instances classified as Spot**

   ✓ **C) Instances classified as On-Demand**

   ✗ **D) Instances that are stopped**

   ✗ **E)** Instances classified as on-premises

Question #51 of 65

Question ID: 1455581

Which technology would you use for a block storage option for EC2 instances that is scalable to petabyte levels and provides high-availability and concurrent data access capabilities?

   ✓ **A)** EFS

   ✗ **B)** S3

   ✗ **C) Instance store**

   ✗ **D)** SQS

Question #52 of 65

Question ID: 1455590

You are asked by the development team in your company to help them find a way to further optimize their main Web application. For this you need to know key details about requests served by the application. What will you use for this?

   ✗ **A)** Security Hub

✓ **B) X-Ray**

✗ **C)** Global tables

✗ **D)** Cloud9

Question #53 of 65

Your company needs to link its on-premise systems to its cloud on AWS. Which of these technologies would allow you to create a secure connection from an on-premise data center to a VPC on AWS?

✓ **A) Virtual private gateway**

✗ **B)** Edge location

✗ **C)** Public subnet

✗ **D)** Internet gateway

Question #54 of 65

Your company wants to minimize its costs while using AWS compute resources. It is willing to commit to a consistent level of compute resource usage for the next three years. Which AWS compute option should you use for maximum cost savings?

✗ **A) Reserved Instances**

✗ **B)** Spot Instances

✗ **C)** On-Demand Instances

✓ **D)** Savings Plan model

Question #55 of 65

Which of the following is a key pillar within the AWS framework?

✗ **A)** Storage

✗ **B)** Networking

✗ **C)** Efficiency factors

✓ **D) Operational Excellence**

Question #56 of 65

Which of the following events would AWS Trusted Advisor identify as an unused resource?

✗ **A)** High utilization of Amazon EC2 instances

✓ **B) Low utilization of Amazon EC2 instances**

✗ **C)** Increased Load Balancers

✗ **D)** Overused Amazon EBS Volumes

Question #57 of 65

You have moved multiple terabytes worth of unstructured data into the Amazon S3 infrastructure and you are concerned with the durability of the data.

What is a key benefit of using Amazon S3 that you should consider?

✗ **A)** Data is copied directly to the customer's on-premises system after the data is moved to Amazon S3.

✗ **B)** Amazon S3 uses Amazon Kinesis Data Firehose to secure the data at rest.

✓ **C) Data is automatically distributed across three availability zones within a region.**

✗ **D)** Data can be copied to AWS Snowball to increase durability.

Question #58 of 65

Which AWS caching solution has the ability to route traffic within AWS resources, such as EC2 instances, Amazon S3 buckets, and Elastic Load Balancing load balancers, while also routing user requests outside AWS infrastructures using a cloud Domain Name System (DNS)?

✗ **A)** Amazon ElastiCache for Memcached

✗ **B)** AWS Greengrass

✗ **C)** Cross-Region replication

✓ **D) Amazon Route 53**

Question #59 of 65

Which of the following instance types supports Amazon EBS encryption and is within the memory optimized instance family?

✓ **A) r4.large**

✗ **B)** c4.large

✗ **C)** d2.xlarge

✗ **D)** t2.nano

Question #60 of 65

You are guiding an application development team to design a new system that needs to be high performing and resilient. Which architecture type should you implement to ensure that the failure of a single component does not bring the whole system down?

  ✗ **A)** Tightly coupled

  ✓ **B)** **Microservices-based**

  ✗ **C)** Monolithic

  ✗ **D)** Single-threaded

Question #61 of 65

You have been working for your company for three years as a system administrator. You have been informed that you need to house several batch application servers. This application can be stopped and started at any point in time. Your task is to provision the needed EC2 infrastructures and your goal is to keep the cost to a minimum.

Which type of instance should you consider?

  ✗ **A)** Reserved Instances

  ✓ **B)** **Spot Instances**

  ✗ **C)** On-Demand Instances

  ✗ **D)** Dedicated Instances

Question #62 of 65

You are learning about encryption options offered by AWS. You have created two EC2 instances. One of the instances is for a file sharing server and the other is for a front-end web server.

As it relates to the shared responsibility model and the need for server side encryption on a file system within an EC2 environment, who is responsible for encrypting data at rest?

- ✗ **A)** AWS network services
- ✗ **B)** AWS resources
- ✓ **C)** **The customer**
- ✗ **D)** Third party vendor support

Question #63 of 65

You are reviewing an AWS document which clearly outlines the roles and responsibilities of a customer and AWS. You want to separate the responsibilities into two categories.

Which of the following categories is considered an AWS-only responsibility?

- ✗ **A)** Security in the cloud
- ✗ **B)** Patch management
- ✓ **C)** **Security of the cloud**
- ✗ **D)** Inherited controls

Question #64 of 65

You work for a large company that manages electronic patient records. The primary application is configured with a load balancer that is used to evenly distribute the workload between two production EC2 instances.

You are tasked with making sure the connection from the client medical facilities and the load balancer is properly secured by using the appropriate SSL security policy.

What policy would you choose to accomplish this task?

    ✗ **A)** **Resource-based policy**

    ✓ **B)** Predefined security policy

    ✗ **C)** Geolocation routing policy

    ✗ **D)** Default security policy

Question #65 of 65

Question ID: 1455566

You are required to manage large data stores in multiple locations. Your current database technology uses an Amazon RDS-MySQL solution to manage the entire data store. The key requirement for your job role is to make sure that the database is available when there is any type of database or infrastructure failure. You also need to make sure that the backup is done efficiently and is implemented within the smallest amount of time.

What feature would you use to accomplish this?

    ✗ **A)** Use global tables to migrate your data store.

    ✗ **B)** Use read replicas of your databases so that backups are not needed.

    ✓ **C)** **Use Multi-AZ.**

    ✗ **D)** Use automated backups on your data store source location.