QBank Quiz September 17, 2022

Test ID: 224028318

Question #1 of 65

Which form of data security is implemented by Amazon WorkSpaces for users when they access their remote desktop?

- X A) X.509 certificate
- X B) IPSec ESP
- X C) Encryption client side
- √ D) PCoIP

Question #2 of 65

Which Amazon Elastic Block Storage (EBS) storage type provides cost-effective storage for data that is typically accessed infrequently, with an IOPS of around 100?

- X A) HDD-backed volumes
- X B) General Purpose SSD (gp2)* volumes
- √ C) Magnetic volumes
- X D) Provisioned IOPS SSD (io1) volumes

Question #3 of 65

Which of the following is considered a true advantage of cloud technology when decoupling from a data center?

- X A) Reducing innovation initiatives
- X B) Increasing time to market on new systems
- \checkmark C) Changing resources dynamically based on seasonal needs
- X **D)** Spending more time in reviewing security changes

Question #4 of 65

Which of these are cost-related benefits of using a cloud deployment with AWS? (Choose two.)

- X A) No OpEx
- X B) More Licensing Costs
- X C) More Labor Costs
- √ D) Less CapEx
- √ E) Lesser TCO

Question #5 of 65

You need to create a historical CPU report on your AWS EC2 instance. How long does Amazon CloudWatch keep resource data?

- X A) 1 week
- X B) 30 days
- X C) 2 days

√ D) 14 days

Question #6 of 65

How would you respond to your boss if he asked you the difference between Amazon Simple Storage Service (Amazon S3) storage and Elastic Block Storage (EBS)? (Choose all that apply.)

- X A) Buckets that are stored within Amazon S3 can be duplicated.
- X B) Amazon S3 will only hold binary-related data.
- X C) Objects can be over 20 terabytes in size in Amazon S3.
- √ D) Amazon S3 uses buckets to store objects.
- X E) Amazon S3 does not allow versioning.
- √ F) The objects that are stored within an Amazon S3 bucket hold both metadata and data.

Question #7 of 65

Which Amazon storage option would be a good solution if you needed storage that offered block-level encryption, high reliability, and is highly available, while using applications that use fine-grained updates to raw unformatted data?

- √ A) Amazon EBS
- X B) AWS Snowball
- X C) Amazon Glacier
- X **D)** Amazon S3

Question #8 of 65

You are managing several production EC2 instances that use a public-facing subnet.

You have three new employees on the east coast and twelve new employees on the west coast. You need to give all the employees access to your VPC, but each employee will need different forms of access within AWS and user accounts created.

What is your most effective solution?

- X A) Contact AWS for configuring your initial IAM roles and users.
- X B) Create a new IAM role for users on the east coast and user accounts for the west coast users.
- X C) Create one ID for the east coast users and one ID for the west coast users.
- √ D) Use AWS Organizations and service control policies.

Question #9 of 65

Which of the following AWS offers falls under the AWS free Tier and will never expire?

- √ A) 25 read capacity units, 25 GB of storage capacity and 25 units of write capacity using a DynamoDB.
- X B) Linux t2.nano instance size for one year using on on-Demand solution
- X C) 1000 Expedited retrieval request from Amazon S3 Glacier
- X D) First 10 Terabytes for data transfers to the Internet using Amazon CloudWatch.

Question #10 of 65Question ID: 1455536

You need expert guidance on how your company needs to meet security and compliance requirements and implement best practices while making a migration to the AWS Cloud. Which resource would you use to best suit this need?

- X A) AWS GuardDuty
- √ B) AWS Security Competency Partners
- X C) AWS Trusted Advisor
- X D) AWS Shield

Question #11 of 65Question ID: 1455642

You have a monthly limit of \$5,000 for EC2 instance usage on your AWS account. You need a notification each time the total expenses cross \$4000. Which of these will you use for this?

- X A) AWS Cost Explorer
- X B) AWS Pricing Calculator
- X C) AWS Marketplace
- √ D) AWS Budgets

Question #12 of 65Question ID: 1455458

Which perspective of the AWS Cloud Adoption Framework would you use to gain knowledge on updating the skills of the company staff and all company processes?

√ A) Governance

- X B) Operations
- X C) People
- X D) Business

Question #13 of 65Question ID: 1455520

What Amazon security feature encrypts data at rest using AES-256 and is considered transparent to the end user within the Amazon S3 environment?

- \checkmark A) Encryption server side
- X B) Encryption client side
- X C) Replication
- X **D)** Versioning

Question #14 of 65Question ID: 1455535

You have created a VPC for your company's AWS deployment. You need to implement a way of controlling incoming and outgoing for your EC2 instance on the VPC. What would you use for this?

- X A) NACLs
- X B) AWS WAF
- X C) AWS Marketplace
- √ D) Security groups

Question #15 of 65Question ID: 1455525

For which two purposes do you need the AWS root account? (Choose two.)

- √ A) Changing the AWS account email address
- X B) Creating a new policy for a user
- X C) Changing permissions for a user group
- X **D)** Creating new users
- √ E) Changing the AWS support plan for the account

Question #16 of 65Question ID: 1455649

In the AWS Organizations web service what feature allows the easy tracking of charges across multiple accounts and is offered at no extra cost?

- X A) Volume Discounts
- √ B) Consolidated Billing
- X C) AWS budgets
- X D) Amazon S3 Analytics

Question #17 of 65Question ID: 1455490

What is the purpose behind configuring dynamic architectures for growth and elasticity on AMS?

X A) Reduced costs.

- X B) AWS usage should be focused on Amazon S3 components.
- X C) Auto scaling features to account for increases in capacity.
- ✓ D) AWS usage should be focused on building applications spread across multiple availability zones and regions.

Question #18 of 65Question ID: 1455480

Which Auto Scaling option configures a unique number of instances that run 24/7?

- X A) Dynamic scaling
- X B) Manual scaling
- √ C) Maintain current level
- X D) Scheduled scaling

Question #19 of 65Question ID: 1455557

What is the main reason for using an Elastic IP address associated with your Virtual Private Cloud account?

- √ A) You have the ability to move network attributes from one instance to another in one single step.
- X B) Elastic IP addresses can be used with IPv6 or IPv4 network components.
- X C) You can assign an Elastic IP address to all your EC2 instances for easier management of your EC2 infrastructure.
- X **D)** You can never deallocate an Elastic IP address because it stays associated with your AWS account for auditing purposes and is considered a static IP address.

Question #20 of 65Question ID: 1455598

Your boss asks you which storage option would allow the company to transfer petabytes of data between the current AWS S3 storage solution and data that resides in the company-owned datacenter. Which option would you recommend?

- X A) Amazon S3
- X B) Amazon EBS
- X C) Amazon Glacier
- √ D) AWS Snowball

Question #21 of 65Question ID: 1455627

It is important that as you transition from your on premise system into the Amazon Cloud that you focus on savings as your design your Amazon infrastructure and as your plan for your data migration.

Which AWS well architected framework pillar is focused on the logical and functional requirements and the overall refinement of the smallest price point available in a system?

- √ A) Cost Optimization
- X B) Performance Efficiency
- X C) Storage
- X D) Reliability

Question #22 of 65Question ID: 1455455

Which two activities will a database company need to pay special attention to so that it can grow its business value? (Choose two.)

- X A) The way database backups are stored
- \checkmark B) The way its data tables are built
- \checkmark C) The methods used for creating its data structures
- X D) How MySQL is installed on its servers
- X E) How the OS for servers is patched

Question #23 of 65Question ID: 1455540

What part of an Amazon Virtual Private Cloud (VPC) is considered stateful?

- X A) AWS Snowball storage
- X B) Amazon EBS
- √ C) Security groups
- X D) Network access control list

Question #24 of 65Question ID: 1455646

Your boss tells you to find an inexpensive cloud solution for an EC2 environment that will only be needed for 9 months. What is your best option?

√ A) Partial upfront costs reserved

- X B) On-Demand Instance
- X C) Spot Instance
- X D) Dedicated Instance

Question #25 of 65Question ID: 1455584

Which two statements are correct applications of VPC components? (Choose two.)

- X A) Use Direct Connect to link a data center to the Internet.
- X B) Configure security groups for stateless packet filtering.
- √ C) Use a virtual private gateway to connect a VPC and office network.
- \checkmark D) Keep databases with customer personal data on a private subnet.
- X E) Keep company cryptographic data on a public subnet.

Question #26 of 65Question ID: 1455562

You are a cloud technology consultant for a company which wants to expand its global operations using AWS Regions. What would you set as requirements for selecting the appropriate AWS Region for your business? (Select TWO)

- X A) Using a VPC
- X B) Storing unlimited data
- √ C) Reducing latency for users
- X **D)** Performing data encryption
- √ E) Maintaining regional data sovereignty

Question #27 of 65Question ID: 1455635

You are supporting an application that requires that the EC2 instance be shut down after 5:00 PM every day. You want to make sure this is done automatically so you have configured the shutdown processing to use a Lambda function. For some reason, the application binaries are sporadically being corrupted and the corruption is related to the shutdown process.

Which of the following components can be used to identify the faulty EC2 instance?

- X A) Memory utilization
- X B) CPU utilization
- X C) Instance metadata
- √ D) Resource tagging

Question #28 of 65Question ID: 1455555

You have been managing your current production workload with several Reserved Instances for about 15 months. However, you have noticed a small and progressive increase in overall workload and want to make sure your EC2 infrastructure can handle the bandwidth to support the increased workload.

What type of instance would meet this requirement?

- X A) Reserved Instance
- √ B) On-Demand Instance
- X C) Dedicated Host
- X D) Spot Instance

Question #29 of 65Question ID: 1455498

As it relates to the shared responsibility model, which security option is the customer's responsibility?

- X A) Facilities
- √ B) Amazon Machine Images (AMIs)
- X C) Network infrastructure
- X **D)** Physical security of hardware

Question #30 of 65Question ID: 1455545

What does Amazon recommend for protecting data in transit when connecting to a public cloud service that uses a Remote Desktop Protocol (RDP) connection?

- X A) Secure Shell (SSH)
- ✓ **B)** X.509 certificate
- X C) Self-signed certificates
- X D) A non-SSL/TLS connection

Question #31 of 65Question ID: 1455569

You have been asked to create several AWS EC2 instances within a predefined private subnet. You need to have the ability to connect from your private subnet to the Internet. You also need the connections to be highly available based on their respective availability zones.

Which of the following networking components can meet the above requirements?

- X A) VPC peering
- X B) NAT instance
- √ C) NAT gateway
- X D) AWS access control list

Question #32 of 65Question ID: 1455580

Your company needs a way to archive its data that allows it to be retrieved instantly if required. Which AWS service will you need to use if you want to perform archiving of data but with high availability?

- X A) Amazon RDS
- X B) Amazon EC2
- √ C) Amazon S3 Standard IA
- X D) Amazon S3 Glacier

Question #33 of 65Question ID: 1455475

Which AWS framework pillar is focused on continual improvement and refinement of system resources over the complete infrastructure lifecycle?

- X A) Reliability
- √ B) Cost Optimization
- X C) Storage

X D) Performance Efficiency

Question #34 of 65Question ID: 1455476

Which option is considered a cost-effective resource discussed in the AWS framework pillar Cost Optimization?

- X A) Fixed sizing
- X B) Limiting regions
- X C) Using Reserved Instances only
- √ D) Appropriate provisioning

Question #35 of 65Question ID: 1455501

You have been working for your company for over a year and you just started building several development EC2 instances. Your security department has asked you to start following AWS best practices as identified by the shared responsibility model.

Which of the following is considered the customer's responsibility?

- √ A) Rotating customer access keys for the IAM users.
- X B) Patching the operating system for an Amazon RDS environment.
- X C) Patching the Amazon RDS database version.
- X **D)** Patching the AWS networking infrastructure.

Question #36 of 65Question ID: 1455456

Which pillar of the AWS Well-Architected framework covers the capability for effective running of workloads and gaining insight into their operations?

- X A) Security
- X B) Performance Efficiency
- √ C) Operational Excellence
- X D) Reliability

Question #37 of 65Question ID: 1455524

You are asked to create user accounts and configure their access permissions for a corporate AWS deployment. Which of these are IAM best practices you will use?

- X A) Use the AWS root account as much as possible.
- √ B) Use IAM roles for granting temporary access.
- X C) Turn off MFA for the root account.
- X D) Reduce password complexity for users.
- \checkmark E) Use the principle of least privilege.

Question #38 of 65Question ID: 1455509

You are asked to ensure that your company's data storage is in sync with the necessary regulatory compliance requirements. Which AWS service helps you manage the encryption for data at rest on your AWS cloud?

- √ A) AWS KMS
- X B) Amazon GuardDuty
- X C) AWS Artifact
- X D) AWS Compliance Center

Question #39 of 65Question ID: 1455592

You need to route traffic between two VPCs using private IPv6 addresses so that any instances in either VPC can communicate with each other as if they are on the same VPC. What would you use to achieve this?

- √ A) VPC peering
- X B) Global tables
- X C) VPN connection
- X D) VPG

Question #40 of 65Question ID: 1455543

If you are traversing confidential data across a public network using an Amazon RDS MySQL or SQL Server EC2 instance, what form of protection would you use to protect the data in transit?

- √ A) SSL/TLS
- X B) BitLocker
- X C) Versioning
- X D) Encryption client side

Question #41 of 65Question ID: 1455648

Your boss wants you to run a report where you can see the monthly cost breakdown by AWS Service and potential future costs.

Which tool would you use to see this type of report?

- X A) AWS CloudWatch
- X B) AWS Budgets
- X C) AWS Trusted Advisor
- √ D) AWS Cost Explorer

Question #42 of 65Question ID: 1455636

You work for ABC corporation that is actively using Amazon S3 storage solutions. The company has files that are stored using Amazon S3, but want to save costs because a majority of their files are not be used after 40 days. However, they need the ability to recover files within a few minutes after the request to see a file. Which option below best meets these requirements?

- X A) Enable the delete option on each bucket and recover the data as requested.
- X B) Move the objects to Amazon Glacier after 40 days
- √ C) Move the data to Amazon S3 Standard using Infrequent Access (IA) option after 40 days.
- X **D)** Enable versioning and delete certain files after 40 days.

Question #43 of 65Question ID: 1455607

Which of the following options describes a responsibility of the decider that is used within Amazon's Simple Workflow Service (Amazon SWF)?

- X A) Process tasks that have been received.
- X B) Get tasks that collaborate with Amazon SWF.
- X C) Return the results of tasks to Amazon SWF.
- √ D) Schedule activity tasks and provide input data to the activity workers.

Question #44 of 65Question ID: 1455495

Your company is evaluating the security implications of moving its data to AWS Cloud. As per the AWS shared responsibility model, which of these are the responsibility of AWS? (Choose two.)

- X A) Patching the guest operating system on an EC2 instance
- √ B) Data center security
- X C) Access rights to Amazon S3 objects
- X **D)** Encryption key of the root account
- \checkmark E) Security of servers running EC2 instances

Question #45 of 65Question ID: 1455513

You are teaching a class on Amazon S3 storage. What are two primary characteristics you might write on the chalkboard first?

√ A) Each object has a specific URL.

- X B) It can store objects with a size of over 20 terabytes.
- √ C) Amazon S3 can hold an unlimited amount of data.
- X D) Storage must be attached to Amazon S3 and then pre-allocated for use.
- X E) Objects housed within Amazon S3 are public by default but can be changed to private.
- X F) It can be used as a primary source for holding database data files.

Question #46 of 65Question ID: 1455558

You are working on the development of multiple applications. Each application is in a different stage of the software development lifecycle process. You plan on implementing the development of these applications within the AWS infrastructure and need an automated approach for building, testing, and deploying these applications. You also want to be able to see the big picture from a development perspective and to establish a consistent release plan as changes occur.

What AWS resource can meet these requirements?

- X A) Amazon RDS
- √ B) AWS CodePipeline
- X C) Amazon DynamoDB Streams
- X D) Dynamic scaling

Question #47 of 65

Which of the following statements is true regarding Elastic IP addresses (EIPs)?

X A) EIPs can be dynamically reallocated from your AWS account.

- X B) EIPs are different from the network interface.
- ✓ **C)** EIPs have associated costs whether they are used or not.
- X **D)** EIPs can be moved to another instance in a different region.

Question #48 of 65Question ID: 1455489

What concept is related to increasing data retrieval rates by placing viable data into a static memory buffer for future use?

- √ A) Caching
- X B) Amazon Network ACL
- X C) Amazon Kinesis Data Analytics
- X D) wmic

Question #49 of 65

Which of the following is a database instance type offered by Amazon RDS?

- X A) Amazon Glacier
- √ B) Oracle
- X C) NoSQL
- X **D)** DB2

Question #50 of 65Question ID: 1455644

As a sysops administrator, you need to have a fundamental understanding of the costs associated with your AWS resources. You are tasked with looking at usage reports of all the costs associated with your AWS infrastructure. You also need to review the last thirteen months with the ability to forecast costs for the next three months.

What AWS resource could you use to meet this requirement?

- X A) AWS Support Center
- X B) Controlling Access
- √ C) Cost Explorer
- X D) AWS Knowledge Center

Question #51 of 65Question ID: 1455606

You want to load balance connections from your EC2 instance to another application tier on the same network. Which type of load balancer would you choose to meet this requirement?

- X A) HTTPS load balancer
- X B) Internet-facing load balancer
- √ C) Internal load balancer
- X D) Listeners

Question #52 of 65Question ID: 1455611

Which of the following security events would AWS Trusted Advisor look for within your AWS infrastructure?

- X A) IAM keys rotated after 30 days
- √ B) Security groups with unrestricted access
- X C) Security groups with restricted access
- X D) Protected access keys

Question #53 of 65Question ID: 1455573

The company you work for has been using an on-premises 15 TB MySQL database for about two years. Over the past 5 months, data has been constantly increasing at a rate of 800 GB per month. You have been tasked with migrating the data into an AWS cloud solution while also creating a read replica with under a 200 millisecond lag time between the primary and the read replica.

Which database solution can you use to meet these requirements?

- X A) Microsoft SQL Server
- X B) Oracle
- √ C) Amazon Aurora
- X D) IBM DB2

Question #54 of 65Question ID: 1455481

You work for a company that has several EC2 servers that were built three months ago to support a production application. The plan is to have these production servers running with zero down time. You are planning on upgrading the instance type in about a month.

What type of instance should you have purchased during the design of the application for cost-effective increases in instance types?

- X A) On-Demand Instances
- √ B) Convertible Reserved Instances
- X C) Standard Reserved Instances
- X D) Spot Instances

Question #55 of 65Question ID: 1455483

Your manager tells you to find an Amazon cloud solution that has scalable object-level storage with a durability level of 99.999999999, while having frequent access to data. What should you choose?

- √ A) Amazon S3
- X B) Amazon Glacier
- X C) Amazon EBS
- X D) AWS Storage Snowball

Question #56 of 65

You are a web server administrator and you support web servers that are very busy. Your web servers are experiencing issues with high CPU and abnormal spikes in memory because of unpredictable workloads.

What type of Amazon EC2 instance could you use to meet this requirement?

- √ A) On-Demand Instances
- X B) Reserved Instances

- X C) Dedicated host
- X D) Spot Instances

Question #57 of 65Question ID: 1455622

You need to select an AWS pricing model for using instances for workloads that can withstand interruptions. You need to find the most economical option. Which one will you select?

- X A) On-Demand Instances
- √ B) Spot Instances
- X C) Dedicated Hosts
- X D) Savings Plan model

Question #58 of 65Question ID: 1455596

You are considering the use of Elastic Load Balancing on your AWS Cloud deployment. What purpose would it serve on the cloud environment?

- X A) Providing real-time monitoring of applications
- X B) Scaling an in-memory environment in the cloud
- X C) Monitoring applications and changing resources based on demand
- √ D) Splitting incoming traffic among several instances

Question #59 of 65Question ID: 1455571

What AWS caching solution delivers website data and interactive content to edge locations all over the world to decrease latency and increase application performance?

- X A) AWS Greengrass
- X B) Cross-Region replication
- √ C) Amazon CloudFront
- X D) Amazon DynamoDB Accelerator (DAX)

Question #60 of 65Question ID: 1455527

You work for a company that manages cellular phone data. The company has just started migrating their first set of applications to the AWS infrastructure. As the system administrator, you want to make sure the tech team is using AWS best practices as they migrate their credentials into AWS.

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

- X A) Disable MFA for privileged users.
- X B) Use long term access keys for all AWS users.
- √ C) Only grant access to resources using least privileges.
- √ D) Create IAM roles when you create EC2 instances.
- X E) Use AWS root access key on all vendor applications.

Question #61 of 65Question ID: 1455591

You need to migrate a MySQL database from your existing on-premise data center to an Amazon RDS database instance on the AWS Cloud. Which of these methods can you use for this? (Choose two.)

- X A) Using Amazon Translate
- √ B) Using MySQL tools
- X C) Using Amazon ECS
- √ D) Using AWS DMS
- X E) Using AWS X-Ray

Question #62 of 65Question ID: 1455585

In which two situations would you utilize the Amazon DynamoDB database? (Select TWO)

- X A) Creating a scalable data warehousing solution
- X B) Storing data using Amazon Aurora
- X C) Utilizing SQL for data organization
- √ D) Catering to up to 45 million requests per second
- √ E) For using a serverless database system

Question #63 of 65Question ID: 1455517

What Amazon resource implements security vulnerability assessments by improving the compliance and security of an application within an Amazon EC2 environment?

- X A) AWS Lambda
- √ B) Amazon Inspector
- X C) Amazon Cognito
- X D) Amazon SNS

Question #64 of 65Question ID: 1455626

As a system operations resource your focus is to make the best decision within the AWS infrastructure. You are tasked with managing AWS resources such as EC2 instance types, geographic regions, VPC management and capacity planning and forecasting.

Which option is considered a key cost effective resource discussed in the AWS well architected framework pillar Cost optimization?

- X A) Right size
- √ B) Appropriate provisioning
- X C) Using Reserved Instances only
- X D) Limiting regions

Question #65 of 65Question ID: 1455632

You are a system administrator and you have been supporting a very active application that is continually growing. The application servers are using over 80% of their CPU capacity and are experiencing spikes in memory allocation due to unpredictable workloads during the application's three-hour peak range.

What type of Amazon EC2 instance could you use to meet this requirement?

X A) Dedicated Host

- X B) Reserved Instances
- X C) Spot Instances
- √ D) On-Demand Instances