

**\*1.Which of the following does AWS own under the shared security responsibility mode(select 3)**

Physical security of AWS data centers and facilities

Logical security of customer SSH private key material

Patching of Amazon Elastic Compute Cloud hypervisors

Decommissioning storage devices at end of life

Encryption of traffic within a virtual private cloud

Access control within a virtual private cloud

**2.Your organization needs to ingest a big data stream into their data lake on Amazon S3.The data may stream in at a rate of hundreds of megabytes per second.**

**What AWS service will accomplish the goal with the least amount of management?**

Amazon Kinesis Firehose

Amazon Kinesis Streams

Amazon CloudFront

Amazon SQS

**3.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 in the most cost-effective way.Which of the following will meet your requirements?**

Spot Instances

Reserved Instances

Dedicated Instances

## On-Demand Instances

**4. Your Amazon RDS MySQL DB instance runs on the largest available instance type. The DB instance runs at near capacity for CPU and network bandwidth. You expect traffic to increase and are looking for ways you can continue to scale your database.**

**Which strategies allow you to continue to scale and take on more traffic( select 2)**

Convert the DB instance to a Multi-AZ DEPLOYMENT:configure the app to send read-only calls to the standby

Create an Amazon ElastiCache cluster:configure the app to retrieve frequently accessed data and queries from the cache

Create a cross-region read replica of the master database:configure the app to send read-only calls to the replica

Create a read replica of the master database in another Availability Zone :configure the app to send read-only calls to the replica

Create additional database accounts in the DB instance :configure the app servers to make calls using different account credentials

**5. Which of the following are characteristics of a reserved instance?(select 3)**

It CAN BE USED to lower Total Cost of Ownership (TCO) of a system

It can be modified for reservation in another region

It is specific to an Amazon Machine Image(AMI)

It is specific to an Instance Type

It CAN BE applied to instances launched by Auto Scaling

It can be cancelled after it is purchased

**\*6. Which security functions are based on AWS STS?(Select 2)**

Granting cross-account access with IAM roles

Adding conditions to managed policies

Authenticating IAM user by using access keys

Assigning managed policies to IAM GROUPS

**7. You are trying to use SSH to connect from your laptop an Amazon EC2 instance over the Internet. You cannot establish a connection**

The security group does not allow any outbound TCP traffic to your laptop IP address

There is no security group and no network ACL associated with the Amazon EC2 instance

The network ACL is set to deny all outbound TCP traffic to your laptop IP address

The IAM access key on your laptop does not have console access to the Amazon EC2 instance