Question 1

Not yet answered

Marked out of 1.00

Which of the following is NOT a valid method for updating an Amazon Machine Image (AMI)?

Select one:

- 🔘 **a. Directly editing the files and configurations stored within an existing AMI.**
- ⭕ **b. Modifying the instance launched from the original AMI and creating a new AMI from it.**
- ⭕ **c. Launching an instance from the AMI, making changes, and taking an image from that instance.**
- ⭕ **d. Copying an existing AMI, making changes to the copied instance, and creating a new AMI.**

Question 2

Not yet answered

Marked out of 1.00

What type of hypervisor is used by AWS EC2?

Select one:

- ⭕ **a. Neither Type 1 nor Type 2 Hypervisors**
- ⭕ **b. Type 1: Native or Bare-Metal Hypervisors**
- ⭕ **c. Type 2: Hosted Hypervisors**
- ⭕ **d. Both Type 1 and Type 2 Hypervisors**

Question 3

Not yet answered

Marked out of 1.00

What is a primary feature of an Amazon Elastic IP (EIP)?

Select one:

- ⭕ **a. It allows for automatic scaling of IP addresses based on the load experienced by the instance.**
- ⭕ **b. It is a static IPv4 address designed for dynamic cloud computing, which can be programmatically remapped to any instance in your account.**
- ⭕ **c. It encrypts data transmission to and from the EC2 instance for enhanced security.**
- ⭕ **d. It provides internal AWS network optimization by automatically choosing the shortest path within the network.**

Question 4

Not yet answered

Marked out of 1.00

What is the primary benefit of using an Amazon Machine Image (AMI) when deploying instances on AWS EC2?

Select one:

- ○ **a. To reduce the cost of deployment by sharing resources with other users.**
- ○ **b. To encrypt data storage automatically without requiring additional configuration.**
- ○ **c. To automatically scale the computing resources based on the application's needs without user intervention.**
- ○ **d. To provide a pre-configured template with an operating system and installed software, speeding up the deployment process.**

Question 5

Not yet answered

Marked out of 1.00

What is the primary advantage of using Provisioned IOPS SSD (io1/io2) volumes over General Purpose SSD (gp2/gp3) volumes in Amazon EBS?

Select one:

- ○ **a. Provisioned IOPS SSD volumes are cheaper than General Purpose SSD volumes.**
- ○ **b. Provisioned IOPS SSD volumes provide higher durability and availability.**
- ○ **c. Provisioned IOPS SSD volumes can only be used with EC2 instances that are not running in a VPC.**
- ○ **d. Provisioned IOPS SSD volumes offer predictable performance and higher IOPS rate ideal for I/O-intensive applications like databases.**

Question 6

Not yet answered

Marked out of 1.00

Which of the following statements best describes the role of a hypervisor in AWS EC2?

Select one:

- ○ **a. It creates and manages the virtualization environment on which EC2 instances run.**
- ○ **b. It encrypts data stored on EC2 instances for enhanced security.**
- ○ **c. It facilitates the deployment of applications directly onto the physical hardware of a server.**
- ○ **d. It manages the allocation and utilization of IP addresses for each EC2 instance.**

Question 7

Not yet answered

Marked out of 1.00

When attached to an Amazon EC2 instance, what happens to the data on an Amazon EBS volume when the associated instance is terminated?

Select one:

○ a. The data on the EBS volume is automatically deleted, regardless of the volume type.

○ b. The data on the EBS volume persists and can be reattached to a new instance unless specifically configured to be deleted.

○ c. The data on the EBS volume is backed up to Amazon S3 before the instance is terminated.

○ d. EBS volumes are always deleted when the EC2 instance is terminated because they cannot be detached.

Question 8

Not yet answered

Marked out of 1.00

What is the primary purpose of key pairs in Amazon EC2?

Select one:

○ a. To create secure network connections between virtual private clouds (VPCs).

○ b. To facilitate secure log-in to EC2 instances via SSH (for Linux) or RDP (for Windows).

○ c. To manage software updates across multiple EC2 instances.

○ d. To encrypt the data stored on EC2 instances.

Question 9

Not yet answered

Marked out of 1.00

Which statement best describes the function of security groups in Amazon EC2?

Select one:

○ a. Security groups are used to encrypt data traffic to and from EC2 instances.

○ b. Security groups provide automated backups of EC2 instances to ensure data integrity.

○ c. Security groups act as virtual firewalls that control the traffic allowed into and out of EC2 instances.

○ d. Security groups manage the allocation of Elastic IP addresses to EC2 instances.

Question 10

Not yet answered

Marked out of 1.00

Which of the following is a cost implication of using an Amazon Elastic IP (EIP)?

Select one:

○ **a. There is a high cost associated with transferring an Elastic IP from one region to another.**

○ **b. AWS charges a fee for each Elastic IP address that is allocated within a user's account, regardless of usage.**

○ **c. Elastic IPs incur charges when more than one is associated with a single instance.**

○ **d. Elastic IPs are charged when they are associated with a stopped instance or when not associated with any instance at all.**

Quiz Navigation

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