

Module 5

1. Which attributes are reasons to choose Amazon EC2? (Select TWO.)

- ☐ AWS man
- ☐ AWS man
- ☐ Ability to
- ☒ Ability to
- ☒ Complete

Correct

Use Amazon EC2 when complete control down to the OS level is required. Amazon EC2 can run any type of workload, including web, application, database, and media servers. An EC2 instance can run any workload that a physical server can run.

Continue



Number correct: 1 out of 1

2. What are the benefits of using an Amazon Machine Image (AMI)? (Select THREE.)

- ☐ Migrating
- ☒ Launchin
- ☒ Using an
- ☐ Updating
- ☒ Selling on
- ☐ Automating security group settings for instances

Correct

An AMI contains an EC2 instance configuration, so instances that are launched from the same AMI have the same configuration. AMIs are images of EC2 instances, so customers can use AMIs as backups. Vendors sell software solutions that are packaged as AMIs through AWS Marketplace.

Continue



Number correct: 2 out of 2

3. A system administrator must change the instance types of multiple running Amazon EC2 instances. The instances were launched with a mix of Amazon Elastic Block Store (Amazon EBS) backed Amazon Machine Images (AMIs) and instance-store-backed AMIs. Which method should the administrator use to change the instance type?

- ☐ Change the instance type of the running instance without stopping it.
- ☒ Stop an Amazon EBS-backed instance, change the instance type, and start the instance.
- ☐ Change the instance type of the running instance without stopping it.
- ☐ Stop an instance-store-backed instance, change the instance type, and start the instance.

Correct

Change the instance type of an Amazon EBS backed instance by stopping it first.

Continue



Number correct: 3 out of 3

4. A workload requires high read/write access to large local datasets. Which instance types would perform BEST for this workload? (Select TWO.)

- ☐ General purpose
- ☒ Storage optimized
- ☒ Memory optimized
- ☐ Accelerated computing
- ☐ Compute optimized

Correct

Memory optimized instances are designed for processing large datasets in memory. Storage optimized instances are designed for workloads that require high, sequential read/write access to very large datasets on local storage.

Continue



Number correct: 4 out of 4

5. An application requires the media access control (MAC) address of the host Amazon EC2 instance. The architecture uses an AWS Auto Scaling group to dynamically launch and terminate instances. What is the BEST way for the application to obtain the MAC address?

- ☐ Include the MAC address in the user data script and pass it to the application.
- ☐ Write the MAC address to a file in the instance metadata.
- ☐ Include the MAC address in the instance profile.
- ☒ Use the user data script to access the instance metadata.

Correct

Because the AWS Auto Scaling group launches the instances, the MAC address of each instance is unpredictable. The user data script can access the MAC address from the instance metadata when the instance starts and then notify the application.

Continue



Number correct: 5 out of 5

6. Which statements about user data are correct? (Select TWO.)

- ☒ The cloud-init user data script runs when an instance is launched.
- ☐ User data is stored in the instance metadata.
- ☐ By default, the user data script runs every time an instance is launched.
- ☒ By default, the user data script runs only once when an instance is launched.
- ☐ The cloud-init user data script must run the `run-parts /etc/cloud/scripts` command for the user data script to run again.

Correct

When an instance is launched, the user data script will run. To run the script again, they must remove the `config_user_scripts` file.

Continue



Number correct: 6 out of 6

7. A transactional workload on an Amazon EC2 instance performs high amounts of frequent read and write operations. Which Amazon Elastic Block Store (Amazon EBS) volume type is BEST for this workload?

☒ Provisioned IOPS SSD

☐ Throughput Optimized HDD

☐ Cold HDD

☐ General Purpose SSD

Correct

Provisioned IOPS SSD EBS volumes are optimized for I/O-intensive workloads.

Continue



Number correct: 7 out of 7

8. It is possible to create an NFS share on an Amazon Elastic Block Store (Amazon EBS) backed Linux instance by installing and configuring an NFS server on the instance. In this way, multiple Linux systems can share the file system of that instance. Which advantages does Amazon Elastic File System (Amazon EFS) provide over this solution? (Select TWO)

☐ Strong consistency

☐ No need to manage the underlying hardware

☒ Automatic scaling

☒ High availability

☐ File locking

Correct

As a fully managed service, Amazon EFS provides high availability. An NFS server on an instance is a single point of failure, which can become overloaded. Amazon EFS also scales automatically, and customers pay for only what they use. Amazon EBS does not scale automatically.

Continue



Number correct: 8 out of 8

9. Which feature does Amazon FSx for Windows File Server provide?

- ☐ Amazon t
- ☒ Fully man
- ☐ Microsoft
- ☐ Backup s

Correct

FSx for Windows File Server provides fully managed Windows file servers, which are built on Microsoft Windows Server.

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Number correct: 9 out of 9