Amazon Elastic Compute Cloud Quiz

Which of the following EC2 services can be used without charge under the Free Tier?

A. Any single EC2 instance type as long as it runs for less than one hour per day

B. Any single EC2 instance type as long as it runs for less than 75 hours per month

C. A single t2.micro EC2 instance type instance for 750 hours per month

D. t2.micro EC2 instance type instances for a total of 750 hours per month

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Any combination of t2.micro instances can be run up to a total of 750 hours per month

How can you connect to a new Linux instance using SSH?

A. Decrypt the root password.

B. Using a certificate

C. Using the private half of the instance's key pair

D. Using Multi-Factor Authentication (MFA)

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Choose 2 answers

A. The Amazon EC2 instance ID

B. Password for the administrator account

C. Amazon EC2 instance type

D. Amazon Machine Image (AMI)

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What EC2 instance attribute would allow you to pass a script to instruct the instance to communicate with a certificate server and pass its instance ID once launched?

1. EC2 tags

2. This needs to be done manually or through an application after the instance is launched

3. You can use the user data field to pass on the required script

4. AMI roles

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1. Instance Store volumes attached to an EC2 instance

2. Elastic Block Store volumes attached to an EC2 instance

3. S3 buckets

4. You can't view block device mappings

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You are trying to connect via SSH to your EC2 instance, and you are getting the following error(s), **Unprotected private key file**.

What would be your next step in troubleshooting this problem?

1. Check the route table of the public subnet has a route to the VPC Internet Gateway

2. Check that the correct username has been used in the SSH connection request

3. Verify that the private key has the right permissions

4. Check if the Instance is undergoing a high CPU load

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You are trying to launch a new instance in an AZ, and you receive an "insufficient capacity error". You then try to re-start a stopped EC2 instance in the same AZ, and you get the same error.

What could be the reason for this error?

A) You have reached the account EC2 instances limit in this AZ

B) AWS does not recognize your IAM permissions

C) There was no available EC2 capacity in this AZ at the time you tried

D) You stopped your EC2 instance for too long

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What is AWS best practices recommendation for selecting an AZ to launch an instance in a specific region?

1. Choose the AZ that is closest to your HQ or Data Center just in case if you need to connect them later on

2. Always specify the AZ and do not leave that to AWS to select it

3. Do not select an AZ, AWS will select the best one in that region for your EC2 instance

4. Always select the first AZ in the region

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An EC2 instance is not able to access the internet. The instance is launched in a public subnet, the VPC has an internet gateway attached, and the public subnet's route table, security groups and NACL are all configured properly

What will be a cause of this issue?

1. The instance may not have an ENI created
2. The instance could be part of a placement group
3. The instance does not have a public or Elastic IP address assigned/attached
4. The Instance might not be going through a NAT gateway

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What is the function of an EC2 AMI?

A. To define the hardware profile used by an EC2 instance

B. To serve as an instance storage volume for high-volume data processing operations

C. To serve as a source image from which an instance's primary storage volume is built

D. To define the way data streams are managed by EC2 instances

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Which of the following could be included in an EC2 AMI? (Select TWO.)

A. A networking configuration

B. A software application stack

C. An operating system

D. An instance type definition

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A. An EC2 instance running on a physical host reserved for the exclusive use of a single AWS account

B. An EC2 instance running on a physical host reserved for and controlled by a single AWS account

C. An EC2 AMI that can be launched only on an instance within a single AWS account

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Why might you want to use an instance store volume with your EC2 instance rather than a volume from the more common EBS service? (Select TWO.)

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B. Instance store volumes, data will survive an instance shutdown.

C. Instance store volumes provide faster data read/write performance.

D. Instance store volumes are connected directly to your EC2 instance.

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B. On-demand

C. Reserved

D. Dedicated

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