aws CERTIFIED
Cloud Practitioner

aws CERTIFIED
Developer
Associate

aws CERTIFIED
SysOps Administrator
Associate

aws CERTIFIED
Solutions Architect
Associate

review

Learning by Quizzes

Elastic Compute Cloud (EC2)
V1.01

Course title

**BackSpace Academy
AWS Certified Cloud Practitioner**

BackSpace

PLEASE READ THIS

The purpose of Learning by Quizzes

Preparation for the AWS certification exams will require understanding of the AWS documentation. Unfortunately, this documentation is massive in size and, it is completely impractical to attempt to present this with video lectures. The "learning by quizzes" exercises select key points from the AWS documentation that you should know in the format of a question and an answer. We have found that this is the most effective way to get a large amount of information into memory.

How to use the Learning by Quizzes

1. Read the question and select the correct answer.
2. Check if your answer is correct.
3. If you don't know why the answer is correct read the explanation.
4. If you still don't understand why it is correct then read the link to the page in the AWS documentation.

Please note: Although it is requirement of AWS certification to have read and understood the AWS documentation, "learning by quizzes' is designed to significantly reduce that requirement.

This "learning by quizzes" exercise will be based upon the videos and the following reference material:

Section: What Is Amazon EC2?

Reference: EC2 User Guide

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts.html

Question

Amazon EC2 provides the following features:

Answers

    A. Instances & Instance types & Tags
    B. Amazon Machine Images (AMIs)
    C. Secure login information for your instances using key pairs
    D. Instance store & EBS volumes
    E. Hosting in Regions & Availability Zones
    F. Security groups
    G. Elastic IP addresses
    H. All of the above

H
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts.html

Question

From an _____, you launch an instance, which is a copy of the _____ running as a virtual server in the cloud.

Answers

    A.   EBS
    B.   AMI
    C.   ELB
    D.   None of the above

B
See: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts.html

Question

Password-based logins for instances launched from your AMI increase security.

Answers

- A. True
- B. False

B
Password information should not be in AMI

Question

When you launch an instance, you must select an AMI that's in the same region.

Answers

A. True
B. False

A
AMI are region specific but can be copied to another region.
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingAMIs.html

Question

To migrate an instance to another availability zone you must create an AMI from the original instance, launch an instance in the new Availability Zone, and update the configuration of the new instance.

Answers

    A. True
    B. False

A
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingAMIs.html

Question

It is recommend that you use AMIs backed by instance store, because they launch faster and use persistent storage.

Answers

A. True
B. False

B
They do not have persistent storage
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html

Question

An Amazon EBS-backed instance can be stopped and later restarted without affecting data stored in the attached volumes.

Answers

A. True
B. False

A
An EBS volume behaves like a raw, unformatted, external block device that you can attach to a single instance. The volume persists independently from the running life of an instance. After an EBS volume is attached to an instance, you can use it like any other physical hard drive.
See: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Storage.html

This "learning by quizzes" exercise will be based upon the videos and the following reference material:

Section: Best Practices for Amazon EC2

Reference: EC2 User Guide

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-best-practices.html

Question

It is best practice to implement the most permissive rules for your security group.

Answers

    A. True
    B. False

B
Least permissive. See:
http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-best-practices.html

Question

It is best practice to launch your instances into EC2-Classic instead of a VPC

Answers

A. True
B. False

B
Launch your instances into a VPC instead of EC2-Classic. Note that if you created your AWS account after 2013-12-04, AWS automatically launch your instances into a VPC.
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-best-practices.html

Question

It is best practice to use the instance store available for your instance to store temporary data

Answers

A. True
B. False

A

Use the instance store available for your instance to store temporary data. Remember that the data stored in instance store is deleted when you stop or terminate your instance. If you use instance store for database storage, ensure that you have a cluster with a replication factor that ensures fault tolerance.
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-best-practices.html

Question

It is best practice to use instance metadata and custom resource tags to track and identify your AWS resources.

Answers

A. True
B. False

A
Use instance metadata and custom resource tags to track and identify your AWS resources.
See: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-best-practices.html