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Anthony announced a [new Practice Exams system](#), 2 Google Cloud and 2 AWS courses with 2 hands-on learning activities last week - catch the [announcements here](#) & celebrate more announcements with us LIVE on Mon, April 9 at 1PM CST!

1. [Courses](#)
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Quiz Results: Amazon EC2 (Elastic Compute Cloud)

Fail

IMPORTANT: To increase your chances of success, do not only review the correct answers, but go back to the course materials to ensure a complete understanding of the topic.

1. **1)** You are deploying your first EC2 instance in AWS and are using the AWS console to do this. You have chosen your AMI and your instance type and have now come to the screen where you configure your instance details. One of the things that you need to decide is whether you want to auto-assign a public IP address or not. You assume that if you do not choose this option you will be able to assign an Elastic IP address later, which happens to be a correct assumption. Which of the below options best describes why an Elastic IP address would be preferable to a public IP address?

Correct

Correct answer

With an Elastic IP address, you can mask the failure of an instance or software by rapidly remapping the address to another instance in your account.

2. **2)** Which API call would best be used to describe an Amazon Machine Image?

Correct

Correct answer

DescribeImages

Further Reading

http://docs.aws.amazon.com/AWSEC2/latest/APIReference/API_DescribeImages.html

3. **3)** You have an EBS root device on /dev/sda1 on one of your EC2 instances. You are having trouble with this particular instance and you need to either Stop/Start, Reboot or Terminate the instance but you do NOT want to lose any data that you have stored on /dev/sda1. However, you are unsure if changing the instance state in any of the aforementioned ways will cause you to lose data stored on the EBS volume. Which of the below statements best describes the effect each change of instance state would have on the data you have stored on /dev/sda1?

Incorrect

Correct answer

The data will be lost if you terminate the instance, however the data will remain on /dev/sda1 if you reboot or stop/start the instance because data on an EBS volume is not ephemeral.

Explanation

The question states that an EBS-backed root device is mounted at /dev/sda1, and EBS volumes maintain information regardless of the instance state. If it was instance store, this would be a different answer.

Explanation

Instance-store backed images use "ephemeral" storage (temporary). The storage is only available during the life of an instance. Rebooting an instance will allow ephemeral data stay persistent. However, stopping and starting an instance will remove all ephemeral storage.

Further Reading

<https://linuxacademy.com/cp/courses/lesson/course/127/lesson/1/module/11>

9. 9) Which API call occurs in the final process of creating an AMI?

Incorrect

Correct answer

RegisterImage

Further Reading

http://docs.aws.amazon.com/AWSEC2/latest/APIReference/API_RegisterImage.html

10. 10) What is the best method for maintaining application session state when using an Elastic Load Balancer?

Incorrect

Correct answer

Use ElastiCache

Explanation

ElastiCache allows session information to be stored in a central location. This creates mobility between traffic on instances. Stickiness on the elastic load balancer will cause the ELB to "remember" where the session was created and route traffic based off that data. In the event of high amounts of traffic or even an outage this can cause serious issues.

Further Reading



<https://linuxacademy.com/cp/courses/lesson/course/127/lesson/3/module/11>

[Retake Quiz](#)



Cloud Servers

Set Region: United States ▾

#	Distribution	Server Actions	Status	Public IP	Private IP	Public Hostnames	Device Mount	Expire Date
								
		•						
		•						
		•						
		•						
1	CentOS 7 ▾	• Create Server						
		•						
		•						
		•						
		•						
		•						
		•						
								
		•						

#	Distribution	Server Actions	Status	Public IP	Private IP	Public Hostnames	Device Mount	Expire Date
2	<div>CentOS 7</div>	<div>Create Server</div>						
3	<div>CentOS 7</div>	<div>Create Server</div>						
4	<div>CentOS 7</div>	<div>Create Server</div>						
5	<div>CentOS 7</div>	<div>Create Server</div>						
6	<div>CentOS 7</div>	<div>Create Server</div>						

#	Distribution	• Server Actions	Status	Public IP	Private IP	Public Hostnames	Device Mount	Expire Date
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Cloud Server FAQ

Default Server User: [user]

Default Server Pass: [123456]

Default Root Pass: [123456]

Note: Depending on your internet provider or DNS lookup server, public hostnames might take extra time to resolve to your Cloud Servers new IP address.

Linux: Use the default "terminal" application

OS X: Use the default "terminal" Application

Windows: Download PUTTY [here](#)

120 Minutes Till Timeout

Refresh Timeout

Close



Connecting to Cloud Servers

Root user login is disabled by default. Please see instructions on how to connect.
Root access is allowed only after logging in as user "user" or any other regular user.

1. Once logged in with "user" type "su"
2. Enter password "123456"
3. Confirm password "123456"
4. Enter your own customer password
5. Root login is disabled by default so you will always need to login as a regular user first

A Virtual Machine is being provisioned for you, this may take a few moments.
The cost of the real Cloud Servers are covered as part of your membership.

How to connect

1. You can connect to the virtual machine once it is running by selecting Login next to the gear box.

2. The default username is **user** and default password is **123456**.

3. On first login you will enter your **123456** password again a second time.

4. Then you can enter in your new password.

Ok, got it.



Get help!

Feel free to ask us anything, that's what we're here for!

- ☒ Search the community for help
- ☐ I need some help with the course material
- ☐ Account, billing, and technical issues, or ask an instructor a private question
- ☐ I have some general feedback

Search the community

Go!

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x

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x

Refer a Friend!

Refer a Friend, and you will both receive a free Cloud Credential Certificate Voucher, when they sign up!

Enter email addresses separat

Submit

Close