



Unit 11 - Week 9

Register for
Certification exam

Course outline

How to access the
portal

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● Lecture 41 : Cloud
Computing-
Practical

● Lecture 42 :
Sensor-Cloud- I

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Computing- II

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Assignment 9

The due date for submitting this assignment has passed.

Due on 2019-04-03, 23:59 IST

Assignment submitted on 2019-03-27, 13:49 IST

1) We normally take snapshot in Openstack, _____.

1 point

- ☒ a. after the installation of an instance
- ☐ b. before the installation of an instance
- ☐ c. it is an inbuilt image in Openstack
- ☐ d. it should be downloaded from the internet

Yes, the answer is correct.

Score: 1

Accepted Answers:

a. after the installation of an instance

2) Sensor-Cloud deals with

1 point

- ☐ a. Sensor-for-Service
- ☒ b. Sensor-as-a-Service
- ☐ c. Sensor-in-Cloud
- ☐ d. None of these

Yes, the answer is correct.

Score: 1

Accepted Answers:

b. Sensor-as-a-Service

3) In OpenStack, NOVA is

1 point

- ☐ a. image service
- ☐ b. object service
- ☒ c. compute service
- ☐ d. used for providing the networking service

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. compute service

4) In OpenStack, the duration of service usage is monitored by

1 point

- ☐ a. Cinder
- ☒ b. Ceilometer
- ☐ c. Heat
- ☐ d. Neutron

Yes, the answer is correct.

Score: 1

Accepted Answers:

b. Ceilometer

5) The concept of Sensor-Cloud is

1 point

- ☐ a. based on simple storing the sensor data into cloud

Assignment Solution

Text Translation

- ☐ b. based on the accumulating the sensor data from one application region and transmit these data to another region only
- ☐ c. based on virtualization of sensor
- ☒ d. None of the above options is correct

No, the answer is incorrect.

Score: 0

Accepted Answers:

c. based on virtualization of sensor

6) Among the following actors in sensor-cloud architecture, who is responsible for managing the infrastructure and deals with price?

- ☐ a. End-users
- ☐ b. Sensor owners
- ☒ c. SCSP
- ☐ d. None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. SCSP

7) In sensor-cloud, who takes decision whether the data should be provided directly to the end user or not? **1 point**

- ☒ a. Internal Cache
- ☐ b. External Cache
- ☐ c. End-user
- ☐ d. Sensor-owner

Yes, the answer is correct.

Score: 1

Accepted Answers:

a. Internal Cache

8) What is a good approach to reduce latency?

1 point

- ☒ a. Analyzing data close to the data source
- ☐ b. Analyzing data in cloud
- ☐ c. Increasing number of nodes
- ☐ d. Decreasing number of nodes

Yes, the answer is correct.

Score: 1

Accepted Answers:

a. Analyzing data close to the data source

9) Which of the following company coined the term "Fog Computing" ?

1 point

- ☐ a. Apple
- ☐ b. Amazon
- ☒ c. CISCO
- ☐ d. Microsoft

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. CISCO

10) Resource usage information in service accounting is obtained in the form of

1 point

- ☐ a. Data set
- ☐ b. Tables
- ☒ c. Records
- ☐ d. Any form

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. Records

11) For which of the following reasons the fog computing should be used?

1 point



1 point



- ☐ a. For storing a huge amount of data in the fog device
- ☒ b. While handling time sensitive data, a millisecond can make a huge differences
- ☐ c. In the absence of network connectivity with users' device, the fog device can provide the data
- ☐ d. The data rate in a fog device is always very high.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b. While handling time sensitive data, a millisecond can make a huge differences

12) Which of the following is/are the advantages of Fog computing?

- ☐ a. Reduce the latency during decision making
- ☐ b. Data can be stored in local server
- ☐ c. Fog nodes can be programmed according to the customer's requirements
- ☒ d. All the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

d. All the above

13) To uninstall the OpenStack, which of the following files is required to be run?

- ☐ a. Unistack.sh
- ☒ b. unstack.sh
- ☐ c. remstack.sh
- ☐ d. uninstallstack.sh

Yes, the answer is correct.

Score: 1

Accepted Answers:

b. unstack.sh

14) Why data volume is a problem in IoT-based cloud computing?

- ☐ a. because data are encrypted and hard to analyze
- ☐ b. because data coming from IoT devices are always in raw format and difficult to store
- ☒ c. because the density of IoT devices is increasing each day and in turn the volume of generated data is growing very fast
- ☐ d. because IoT device density is decreasing each day and in turn the volume of generated data are decreasing very fast

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. because the density of IoT devices is increasing each day and in turn the volume of generated data is growing very fast

15) Blue Pill attack on hypervisor is a threat example of:

- ☐ a. Host security at PaaS level
- ☐ b. Host security at SaaS level
- ☒ c. Host security at IaaS level
- ☐ d. None of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

c. Host security at IaaS level



1 point

1 point

1 point

1 point

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