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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Cloud computing (course)**

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs20/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

Unit 6 - Week 4

Course
outline

How does an
NPTEL online
course work?

Week 0
Assignment 0

Week 1

Week 2

Week 3

Week 4

- ☐ Lecture 16 :
Cloud
Computing:
Opensource
Cloud-
Openstack
Demo (unit?
unit=15&lesson=17)

Week 4 Assignment 4

The due date for submitting this assignment has passed. **Due on 2020-03-25, 23:59 IST.**

Assignment submitted on 2020-03-25, 21:25 IST

1) **1 point**
Which of the following OpenStack component is/are responsible for on demand scheduling of virtual machines?

- (a) Cinder
- (b) Nova
- (c) Swift
- (d) Glance

- ☐ (a)
- ☒ (b)
- ☐ (c)
- ☐ (d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(b)

2)

1 point

Lecture 17 :
Cloud
Computing:
Case Study with
a Commercial
Cloud-Microsoft
Azure (unit?
unit=15&lesson=18)

Lecture 18 :
Cloud
Computing:
Demo -
Microsoft Azure
(unit?
unit=15&lesson=19)

Lecture 19 :
Cloud
Computing:
Case Study -
Google Cloud
Platform (GCP)
(unit?
unit=15&lesson=20)

Lecture 20 :
Cloud
Computing:
Demo - Google
Cloud Platform
(GCP) (unit?
unit=15&lesson=21)

Lecture
material of
Week 4 (unit?
unit=15&lesson=16)

Quiz : Week 4
Assignment 4
(assessment?
name=95)

Week 4
Feedback Form
(unit?
unit=15&lesson=103)

Week 5

Week 6

Week 7

Week 8

Text Transcripts

A. Cloud SQL	1. Maintains, manages, and administers relational databases on Google Cloud Platform
B. Nova, OpenStack	2. Google's fully managed, petabyte scale, low cost analytics data warehouse to find meaningful insights
C. BigQuery	3. Manages the lifecycles of instances including spawning, scheduling and decommissioning of virtual machines on demand
D. Swift, OpenStack	

Choose the correct option:

- (a) A-3, B-1, C-2
(b) A-1, B-3, C-2
(c) A-2, B-3, C-1
(d) A-1, D-3, C-2

- ☐ (a)
☒ (b)
☐ (c)
☐ (d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(b)

- 3) Statement 1: Azure supports hybrid cloud platform.
Statement 2: Azure App Service plan defines security.

0 points

- (a) Statement 1 is True and Statement 2 is False
(b) Statement 1 is False and Statement 2 is True
(c) Both are True
(d) Both are False

- ☒ (a)
☐ (b)
☐ (c)
☐ (d)

No, the answer is incorrect.

Score: 0

Accepted Answers:

(d)

- 4) Swift component of OpenStack is responsible for providing persistent block storage to running instances

1 point

- (a) TRUE
(b) FALSE

- ☐ (a)
☒ (b)

Books

Detail Solution

Live Interactive
Session

Yes, the answer is correct.

Score: 1

Accepted Answers:

(b)

5)

1 point

Keystone provides identity and authentication for all OpenStack services.

(a) TRUE

(b) FALSE

☒ (a)

☐ (b)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(a)

6)

1 point

In OpenStack, when a VM is terminated, which of the following resources are freed?

(a) Ephemeral and persistent storage, all IPs, RAM and vCPUs

(b) Ephemeral and persistent storage only

(c) Ephemeral storage, all IPs, RAM and vCPUs

(d) None

☐ (a)

☐ (b)

☒ (c)

☐ (d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(c)

7)

1 point

Google Cloud End Points help to migrate the web app to Google Cloud Platform for better performance

(a) TRUE

(b) FALSE

☐ (a)

☒ (b)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(b)

8) What core function(s) do(es) Neutron perform?

1 point

- (a) Networking
- (b) Compute
- (c) Storage
- (d) None of the above

- ☒ (a)
- ☐ (b)
- ☐ (c)
- ☐ (d)

Yes, the answer is correct.
Score: 1

Accepted Answers:
(a)

9)

1 point

Which three OpenStack components are required for Nova to function?

- (a) Neutron, Horizon and Glance
- (b) Glance, Keystone and Horizon
- (c) Keystone, Glance and Neutron
- (d) Cinder, Swift and Kolla

- ☐ (a)
- ☐ (b)
- ☒ (c)
- ☐ (d)

Yes, the answer is correct.
Score: 1

Accepted Answers:
(c)

10)

1 point

GCP: Choose the correct option(s)

- (a) To run your web-application, you need to configure only the Google Storage bucket
- (b) "gcloud app deploy app.yaml" the command can be used to deploy your app to app-engine
- (c) After launching your application to app-engine anyone can view the app at [http://\[YOUR_PROJECT_ID\].appspot.com](http://[YOUR_PROJECT_ID].appspot.com)
- (d) "gcloud app browse" – can be used to start the local development server for the application

- ☐ (a)
- ☒ (b)
- ☒ (c)
- ☐ (d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

(b)

(c)