



Cisco

Exam 210-451

Understanding Cisco Cloud Fundamentals

Version: 6.0

[Total Questions: 60]

Question No : 1

What type of node runs Virtual Machines in a virtualized infrastructure?

- A. Storage Node
- B. Management Node
- C. Compute Node
- D. Scheduling Node

Answer: C

Question No : 2

What two protocols does a physical switch and Nexus 1000V support? (Choose two.)

- A. MPLS
- B. STP
- C. ARP
- D. CDP

Answer: C,D

Question No : 3

Which statement about the differences between vSwitch and DVS is true?

- A. vSwitch supports Spanning Tree Protocol.
- B. DVS supports Spanning Tree Protocol.
- C. vSwitch supports private VLAN.
- D. DVS supports private VLAN.

Answer: D

Question No : 4

Cisco APICs utilize sharding to provide what function for an ACI fabric?

- A. It provides scalability and reliability to the data sets generated and processed by the Distributed Policy Repository, the endpoint registry, the Observer, and the Topology Manager
- B. It provides replication of application network policies across the APICs in the cluster
- C. It provides a method for determining which APIC will act as the master in a fabric during the election process
- D. It provides horizontal scaling ability for policy management on APICs

Answer: A

Question No : 5

Which description of Cisco vPath is true?

- A. a protocol that provides end-to-end path assurance for Cloud-based systems
- B. an embedded intelligence in Cisco VEM that provides abstracted control and forward plane functionality
- C. a service that provides forwarding plane abstraction for inline redirection of traffic for vServices
- D. a vService that allows for security policy enforcement through transparent bridging

Answer: C

Question No : 6

What best describes the live migration of a virtual machine from one host to another?

- A. It requires shutting down the virtual machine before migration
- B. It requires that the I/O and CPU calls be quiesced to ensure that as the CPU and memory state of a VM is able to be transferred between hosts without interruption of services
- C. It requires that the filesystem of the virtual machine be migrated to the new host before the state can be
- D. The virtual machine will be unavailable for a few seconds while it is suspended, transferred and then reinstated

Answer: B

Question No : 7

Where is the Hypervisor installed?

- A. Host operating system
- B. Guest operating system
- C. Control node
- D. Computer node

Answer: D

Question No : 8

Which Cloud service model is appropriate for a physical data center move to the Cloud?

- A. Infrastructure as a Service
- B. Platform as a Service
- C. Compute as a Service
- D. Software as a Service

Answer: A

Question No : 9

Which technology focuses on Layer 2 distributed data centers?

- A. FabricPath
- B. Adapter FEX
- C. LISP
- D. OTV

Answer: D

Question No : 10

Which option is the correct steps to regenerate a UCS B-Series SSL certificate?

A. Open an SSH session to the CIMC IP

```
# scope security  
# scope keyring default  
# set regenerate yes  
# commit-buffer
```

B. Open an SSH session to the CIMC IP

```
# scope certificate  
# set regenerate yes  
# commit-buffer
```

C. Open an SSH session to the CIMC IP

```
# scope security  
# scope certificate  
# set regenerate yes  
# commit-buffer
```

D. Using the UCSM GUI

Navigate to the Admin tab

Expand ALL > Key Management

Right-click Key Management and choose regenerate certificate

Click OK

Answer: A

Question No : 11

Which of the following two storage technologies would require that its' block device be attached to an instance before you can perform any filesystem commands? (Choose two.)

A. SCSI LUN

B. Cinder Volume

C. NFS Filesystem Meta-Volume

D. Direct Object Block Device

Answer: A,B

Question No : 12

Which three options are the advantages of VXLAN? (Choose three.)

A. Increase of VLAN address space

B. Support multi-tenancy

- C. Connectivity across disparate virtual data centers
- D. Uses Spanning Tree Protocol for loop prevention
- E. Configure Portgroup Virtual port ID
- F. Configure Portgroup Load Based Teaming

Answer: A,B,C

Question No : 13

Which of the following statements best describes Atomic Inheritance?

- A. It maintains a consistent configuration among the interfaces in a port profile and the entire port profile configuration is applied to its member interfaces
- B. To maintain a consistent configuration among the sub-interfaces in a port profile
- C. It tracks the packets among the interfaces in a port profile from the start of each flow until termination
- D. To maintain a system VLAN connection to ensure communication between the VSM and VEM

Answer: A

Question No : 14

Which /etc/exports line will allow you to enable read-only access from the NFS client 192.168.1.100?

- A. /images 192.168.1.100 (ro,async)
- B. /images 192.168.1.100 (755,async)
- C. /images 192.168.1.1/24 (755,no_root_squash,async)
- D. /images 192.168.1.1/27 (ro,async)

Answer: A

Question No : 15

IaaS is an acronym for what type of Cloud?

- A. Instances as a Service
- B. Infrastructure as a Service
- C. Internet as a Service
- D. Images as a Service

Answer: B

Question No : 16

Which Cisco product is outside of a Vblock?

- A. Cisco Nexus 1k
- B. Cisco C-Series UCS
- C. Cisco Nexus 3k
- D. Cisco UCS Central

Answer: D

Question No : 17

Which option is one essential characteristic of Cloud computing?

- A. It must use virtualization.
- B. It must provide load balancing services.
- C. It must provide on-demand self service.
- D. It must run on open source software.

Answer: C

Question No : 18

Which best describes a Cloud deployment model that relies on interoperability between Cloud providers?

- A. Hybrid Cloud
- B. Multi-Cloud
- C. InterCloud

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