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**Vendor:**Cisco

**Exam Code:**300-180

**Exam Name:**Troubleshooting Cisco Data Center  
Infrastructure

**Version:**Demo

### QUESTION 1

A customer is troubleshooting degraded DIMM errors on a Cisco UCS blade server and would like to reset the BMC. What is the correct command sequence to reset the BMC?

- A. UCS1-A# server x/y UCS1-A /chassis/server # scope bmc UCS1-A /chassis/server/bmc # reset UCS1-A /chassis/server/bmc\* # commit-buffer
- B. UCS1-A# server scope UCS1-A /chassis/server # scope bmc UCS1-A /chassis/server/bmc # reset UCS1-A /chassis/server/bmc\* # commit-buffer
- C. UCS1-A# scope server x/y UCS1-A /chassis/server # scope bmc UCS1-A /chassis/server/bmc # reset UCS1-A /chassis/server/bmc\* # commit-buffer
- D. UCS1-A# scope server x/y UCS1-A /chassis/server # scope bmc UCS1-A /chassis/server/bmc\* # commit-buffer

Correct Answer: C

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### QUESTION 2

Which action do you take to recover a Cisco UCS Director password?

- A. Use SSH to log in to the device, and then reset the password.
- B. Mount the Cisco UCS Director image on a KVM, reload the device, and then reset the password.
- C. Log into the Cisco UCS Director appliance as root, and then run the admin password reset script.
- D. Press CTRL-Break when the system boots, and then configure the config-register command to ignore the current configuration.

Correct Answer: C

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-director/troubleshooting-guide/cisco-ucs-director-troubleshooting/issues\\_and\\_solutions.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/troubleshooting-guide/cisco-ucs-director-troubleshooting/issues_and_solutions.html)

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### QUESTION 3

Which statement is true regarding the admin VDC?

- A. All licensed features and feature sets must be enabled from the admin VDC.
- B. Fabric extenders connected to the admin VDC must be statically pinned.
- C. Only the mgmt 0 interface is allocated to the admin VDC.
- D. All interfaces other than mgmt 0 are allocated to the default VDC.
- E. The admin context can only be created on Supervisor 2/2E.
- F. The admin VDC is a new feature in Cisco NX-OS version 6.0.

Correct Answer: C

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#### QUESTION 4

During a Cisco UCS firmware update via the UCS Manager GUI, you choose All from the Filter list in the Activate Firmware dialog box. Which statement about this action is true?

- A. Because many releases and patches have dependencies that require a specific order, this method is not preferred, and you should consult the release notes.
- B. This setting will work and UCS Manager will properly activate all elements in the correct order.
- C. This setting will have no effect, and you should always use the CLI to complete firmware upgrades.
- D. You should open a case with Cisco TAC to determine what to do.

Correct Answer: A

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#### QUESTION 5

You successfully install VMware ESXi 5.0 U1 on a Cisco UCS B200 M3 server to a Fibre Channel LUN. When you reboot the server, you see the message "Reboot and Select Proper Boot device or insert Boot Media in selected Boot device and press a key." What are the first two pieces of information you should gather to troubleshoot the boot failure? (Choose two.)

- A. Connect to the NX-OS shell via the CLI and run the show npv flogi-table command.
- B. SSH to the MDS 9124 and run the show flogi database command.
- C. Validate the boot target WWPN and LUN ID in the service profile.
- D. Validate the correct source WWPN in the service profile vHBA definition.
- E. Validate zoning for your WWPN on the Cisco MDS 9124.
- F. Validate that the boot order indicates the vHBA as the first device.
- G. Ensure LUN masking is correctly configured on the storage controller.

Correct Answer: CF

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#### QUESTION 6

Which two options are Cisco UCS default user roles? (Choose Two)

- A. LAN Administrator
- B. FCoE Administrator
- C. Server Equipment Administrator

D. Administrator

E. Server Resource Administrator

Correct Answer: CD

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#### QUESTION 7

You create a storage VDC. The FCoE links fail to initialize correctly. Which command should you run to verify that you have correctly associated the VLAN to the VSAN?

A. show vdc storage membership

B. show vdc fcoe-vlan-range

C. show vlan fcoe

D. show vdc vlan-vsant-range

Correct Answer: C

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#### QUESTION 8

NPV mode is not operating properly on a Cisco Nexus or Cisco MDS Series Switch. What are two reasons? (Choose two.)

A. An uplink NP port is stuck initializing.

B. The VSAN does not match at each end of the connection.

C. The VLAN does not match at each end of the connection.

D. The license is invalid.

Correct Answer: AB

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#### QUESTION 9

Refer to the exhibit.

```
switch# show npv status
```

```
npiv is enabled
```

```
Server Interfaces:
```

```
*****
```

```
Interface: fcl/6, VSAN: 1, NPIV: No, State: Waiting for External Interface
```

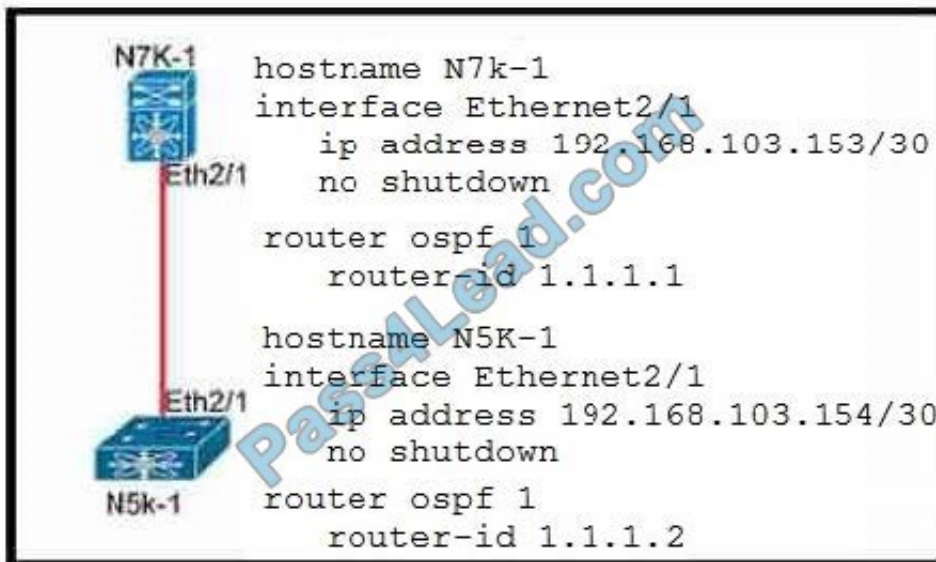
```
Number of Server Interfaces: 7
```

A customer is having a problem with NPV. Which of these is the cause of the problem?

- A. No server was requested or received by the FLOGI database.
- B. One external link must be up for server interface to be up.
- C. Multiple external links must be up for the server to come up.
- D. Internal links are down and must be up for the server interface to be up.

Correct Answer: B

#### QUESTION 10



Refer to the exhibit. No OSPF neighborship exists between N5K-1 and N7K-1. Which configuration resolves this issue?

- A. (config)# router ospf 1 (config-router)# network 192.168.103.152 255.255.252 area 0
- B. (config)# ip router ospf 1 area 0
- C. (config)# router ospf 1 (config-router)# network 192.168.103.152 0.0.0.3 area 0
- D. (config-if)# ip router ospf 1 area 0

Correct Answer: C

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#### QUESTION 11

You are troubleshooting a remote Cisco UCS environment that has Cisco UCS 2208 I/O Modules. Some of the links from the IOMs to the UCS Fabric Interconnect fail to work as expected. You check whether the SFP is in place and the state of the IOM ports. Which command do you use to view the MAC and PHY status to determine whether the SFP is detected in the IOM?

- A. show platform software redwood oper
- B. show platform software woodsideoper
- C. show platform software woodsidests
- D. show platform software redwood post

Correct Answer: B

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#### QUESTION 12

A customer calls in a trouble ticket and explains that after a power failure, the UPS was discovered to be defective and the Cisco UCS C210 M2 server running Windows 2008 R2 went down without proper shutdown. After restarting the server, you discover the RAID 5 array rebuilding parity. Which write-cache settings on the LSI MegaRAID 9260-4i controller explain this symptom?

- A. write back
- B. write through
- C. write back with BBU
- D. no write cache
- E. no hot spare

Correct Answer: A

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