



642-035^{Q&As}

Troubleshooting Cisco Data Center Unified Computing

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QUESTION 1

Which power policy should be chosen to maximize the performance of a Cisco UCS system with four PSUs and eight blades?

- A. non-redundant
- B. N+1
- C. grid
- D. performance

Correct Answer: C

QUESTION 2

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

QUESTION 3



Instructions

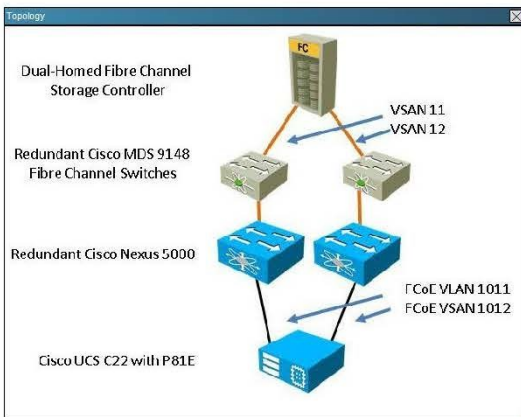
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- Before beginning the questions, carefully read the information in the Scenario tab and familiarize yourself with the network topology.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before clicking the Next button.
- Use the tabs at the bottom of the question to navigate between the Topology and question-specific Exhibits. Exhibit_1 maps to Question 1, et cetera.

Scenario

You have received a trouble ticket from a customer with multiple FCoE issues deploying a Cisco UCS C22 M2 server. The server includes a Cisco UCS P81E VIC that has redundant connections to Cisco Nexus 5548 switches.

When the customer loads the installer for VMware ESXi 5.0, it is unable to connect to its boot LUN over Fabric A or Fabric B. To begin, you will concentrate your efforts on achieving connectivity on Fabric A.

The customer is a government agency with an information security policy prohibiting remote access into its network. It has provided a topology, command output from the Nexus 5548, and screenshots from the Cisco Integrated Management Controller of symptoms for you to troubleshoot.



Exhibit_1

192.168.10.45 - KVM Console

File View Macros Tools Help

KVM VM

```
Initializing Intel(R) Boot Agent GE v1.3.35
PXE 2.1 Build 087 (WFM 2.0)

Cisco VIC FC, Boot Driver Version 2.0(2i)
(C) 2010 Cisco Systems, Inc.

Cisco VIC FC, Boot Driver Version 2.0(2i)
(C) 2010 Cisco Systems, Inc.

LSI MegaRAID SAS-MFI BIOS
Version 3.24.00 (Build October 26, 2011)
Copyright(c) 2011 LSI Corporation
HA -0 (Bus 18 Dev 0) LSI MegaRAID SAS 9260-41
FW package: 12.12.0-0007
```

Exhibit_2

vHBA Properties

General

Name: fc0

World Wide Node Name: AJTC 20:00:00:25:85:00:30:00

World Wide Port Name: AJTC 20:00:00:25:85:40:40:00

FC SAN Boot:

Enable Persistent LUN Binding:

Uplink Port: 3

MAC Address: AJTC 56:8D:09:0F:01:41

Default VLAN: N3JNE (1 - 4054)

Class of Service: 3

Rate Limit: OFF (1 - 10000 Mbps)

PCIe Device Order: ANY (0 - 17)

Save Changes Reset Values Cancel



```
Exhibit_3
show flogi database.rtf - WordPad
File Edit View Insert Format Help
Courier New 12 Western B U
-----
N5K1# show flogi database
-----
INTERFACE          VSAN      FCID          PORT NAME          NODE NAME
-----
vfc5                11        0x3b0004      20:00:00:25:b5:40:40:08 20:00:00:25:b5:30:30:05
                  [p5-c-a-esx]

Total number of flogi = 1.

N5K1# show zone active vsan 11 | begin 'zone name p5-c-esx-dcuct'
zone name p5-c-esx-dcuct vsan 11
* fcid 0x3b0004 [pwwn 20:00:00:25:b5:40:40:08] [p5-c-a-esx]
  pwwn 50:06:01:60:3b:a0:08:ed [storage-controller]

For Help, press F1
```

```
Exhibit_4
Document - WordPad
File Edit View Insert Format Help
Courier New 12 Western B U
-----
N5K1# show interface fc2/1
fc2/1 is down (Isolation due to zone merge failure)

N5K1# configure
Enter configuration commands, one per line. End with CNIL/Z.
N5K1(config)# interface fc2/1
N5K1(config-if)# shutdown
N5K1(config-if)# no shutdown
N5K1(config-if)#

2012 Sep 28 14:43:04 N5K1 %$ VDC-1 %$ %ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: %
$VSAN 11%$ Zone merge full database mismatch on interface fc2/1
2012 Sep 28 14:43:04 N5K1 %$ VDC-1 %$ %ZONE-2-ZS_MERGE_FAILED: %$VSAN 11%$ Zone
merge failure, isolating interface fc2/1 reason: Member mismatch:[reason:0]

For Help, press F1
```

Hot Area:



Questions

1 Review the screenshot the customer emailed to you in the tab **Exhibit_2**.

2

3 You are viewing the vHBA definition for interface fc0 connected to Fabric A. Which two

4 items are not configured correctly? (Choose two.)

- The WWPN should always begin with 50 in the first byte to signify it is an FCoE initiator.
- According to T11 standard FC-BB-5, the first 4 bytes of an FCoE WWNN and WWPN must be unique from each other.
- The FC SAN Boot checkbox must be selected.
- Beginning with VMware ESXi 5.0, the enable Persistent LUN Binding option must be checked.
- The default VLAN should be set as the FCoE VLAN.
- FCoE boot interfaces must be set to PCIe Device Order 0.

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Correct Answer:



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QUESTION 4

Which remote access protocol is used by default to obtain CLI access to a Cisco UCS C- Series standalone server?

- A. Telnet
- B. SSH
- C. HTTP
- D. SSL
- E. SOCKS

Correct Answer: B

QUESTION 5

After a Cisco UCS Manager upgrade, you discover issues relating to the IQN of several service profiles. Which two options are possible causes of the problem? (Choose two.)

- A. duplicate service profiles
- B. a duplicate IQN within a service profile
- C. a duplicate IQN across multiple service profiles
- D. an unsuccessful upgrade
- E. incorrect VSAN settings



Correct Answer: BC

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