



642-035^{Q&As}

Troubleshooting Cisco Data Center Unified Computing

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QUESTION 1

How will the Cisco UCS Manager react when all of the FSM tasks fail?

- A. retries for 60 seconds
- B. raises faults and alarms
- C. restarts from the previous known good task
- D. sends an NOC SNMP trap email

Correct Answer: B

QUESTION 2



Instructions

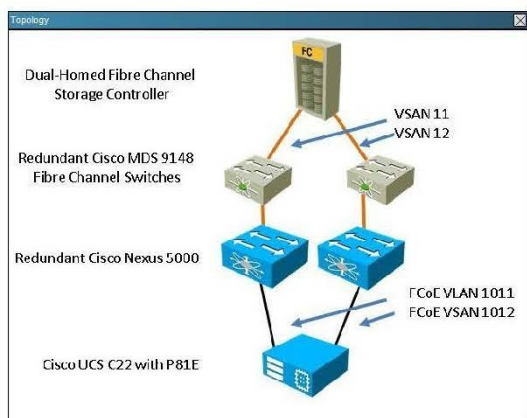
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- Before beginning the questions, carefully read the information in the Scenario tab and familiarize yourself with the network topology.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are 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(21)
(C) 2010 Cisco Systems, Inc.

Cisco VIC FC, Boot Driver Version 2.0(21)
(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:B5:30:30:00

World Wide Port Name: ☒ AJTC ☐ 20:00:00:25:B5:40:40:00

FC SAN Boot: ☐

Enable Persistent LUN Binding: ☐

Uplink Port:

MAC Address: ☒ AJTC ☐ 58:8D:09:0F:01:41

Default VLAN: ☒ NUNB ☐ (1 - 4054)

Class of Service:

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 I 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 I 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

Point and Shoot:



Questions

1 Per your request, the customer has sent you the output of the **show interface fc2/1**
2 command for the Fibre Channel interface connecting the Cisco Nexus 5548 to the Cisco
3 MDS 9124 Fibre Channel switch.

4 The interface is isolated (down), so you ask the customer to perform a **shutdown** and
no shutdown on interface fc2/1. After reviewing the error message in **Exhibit_4**,
which action will resolve the issue?

☐ Issue these commands on the Cisco Nexus 5548:

```
N5K1(config)# zoneset database  
N5K1(config-zone-db)# vsan 11  
N5K1(config-zone-vsan-cb)# import all
```

☐ Issue this command in the Cisco Nexus 5548:

```
N5K1# zoneset import interface fc2/1 vsan 11
```

☐ Issue these commands in the Cisco Nexus 5548:

```
N5K1#(config) zone database  
N5K1#(config-zone-db) import zoneset vsan 11 all
```

☐ Issue these commands on the Cisco Nexus 5548:

```
N5K1#(config) interface fc2/1  
N5K1#(config-if) zoneset import vsan 11
```

☐ Issue these commands on the Cisco Nexus 5548:

```
N5K1(config)# vsan database  
N5K1(config-vsan-db)# vsan 11  
N5K1(config-vsan-db)# import zoneset interface fc2/1
```

Hot Area:



Questions

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N5K1(config)# vsan database  
N5K1(config-vsan-db)# vsan 11  
N5K1(config-vsan-db)# import zoneset interface fc2/1
```

Correct Answer:



Questions

- 1 Per your request, the customer has sent you the output of the **show interface fc2/1**
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3 MDS 9124 Fibre Channel switch.

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```
N5K1(config)# vsan database  
N5K1(config-vsan-db)# vsan 11  
N5K1(config-vsan-db)# import zoneset interface fc2/1
```

QUESTION 3

UCS-A# scope eth-uplink

UCS-A /eth-uplink # scope fabric a

UCS-A /eth-uplink/fabric # scope interface 2 3

UCS-A /eth-uplink/fabric/interface # create mon-src Monitor23

UCS-A /eth-uplink/fabric/interface/mon-src* # set direction receive

UCS-A /eth-uplink/fabric/interface/mon-src* # commit-buffer

What does the command `scope interface 2 3` in the above CLI command sequence do on a Cisco UCS blade server?

- A. enters the interface command mode for the specified uplink port
- B. enters the interface command mode for the specified Fabric A
- C. enters the interface command mode for the specified Fabric B

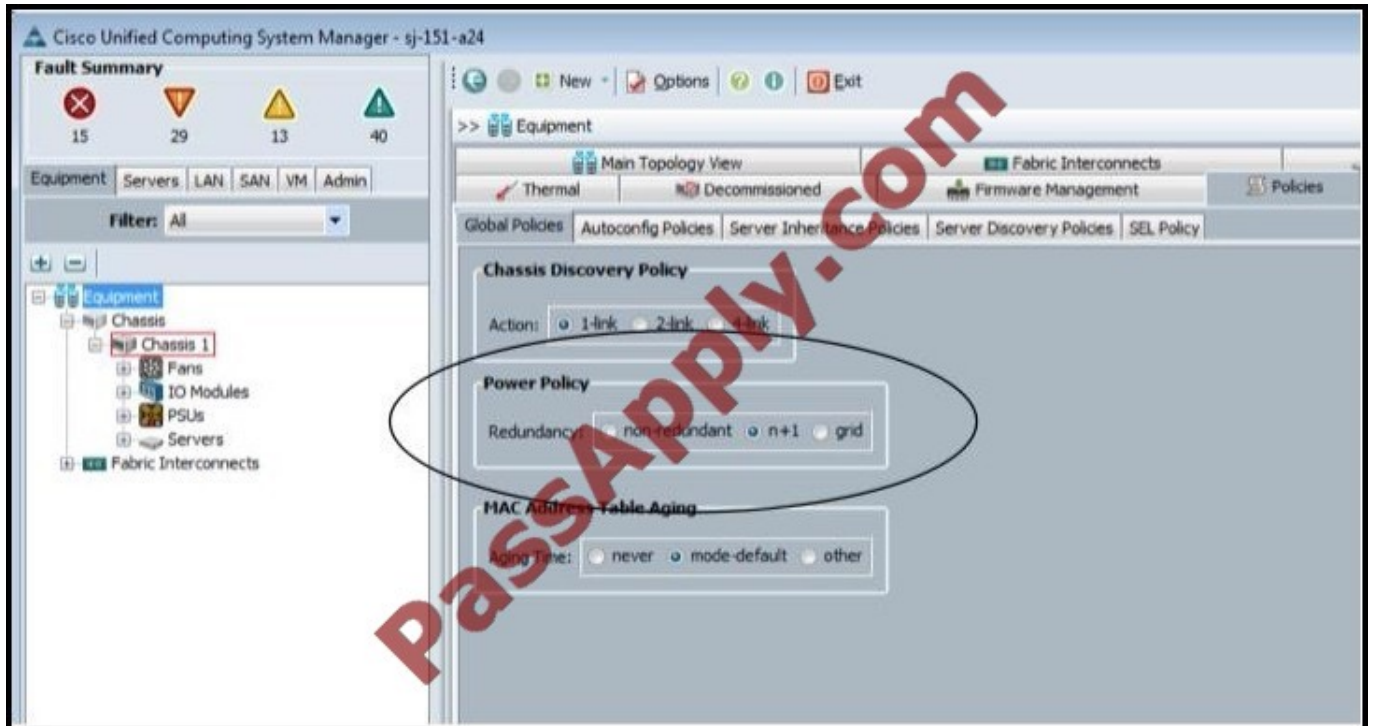


D. enters slot 3 port 2 specified uplink port

Correct Answer: A

QUESTION 4

Refer to the exhibit.



Which type of power policy is shown when referring to a Cisco UCS environment?

- A. chassis
- B. blade server
- C. fabric interconnect
- D. global
- E. switch

Correct Answer: D

QUESTION 5

While performing an upgrade to Cisco UCS Release 2.2, the traffic in several VLANs is no longer active. What is the cause of this issue?

- A. Ethernet and FCoE VLANs cannot be configured on the same Cisco UCS domain.



B. The UCS Manager detected overlapping VLANs during the upgrade, and Ethernet traffic on those VLANs is now dropped.

C. The UCS Manager needs to be rebooted to force the configuration to work properly.

D. Ethernet and FCoE VLANs cannot be configured different Cisco UCS domain.

Correct Answer: B

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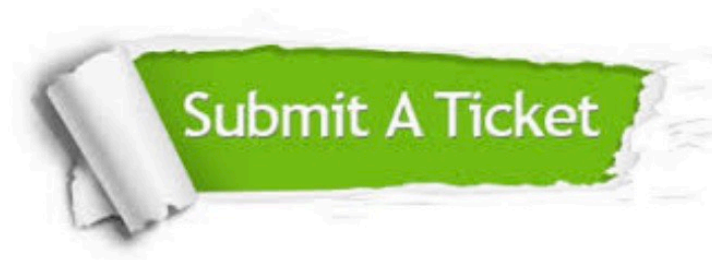
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More than 800,000 Satisfied Customers Worldwide
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