



300-180^{Q&As}

Troubleshooting Cisco Data Center Infrastructure

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QUESTION 1

```
RAID Controller 1:  
Local Disk 1:  
Product Name: 73GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive  
sled mounted  
PID: A03-D073GC2  
Serial: D3B0P99001R9  
Presence: Equipped  
Local Disk 2:  
Product Name:  
Presence: Equipped  
Size (MB): Unknown  
Local Disk 5:  
Product Name: 73GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive  
sled mounted  
Serial: D3B0P99001R9  
HW Rev: 0  
Size (MB): 70136
```

Refer to the exhibit. Cisco UCS Manager reports that the number of disks assigned to a server exceeds the number of available disk slots. What could cause this issue?

- A. The fault detection tests on the disk drive failed.
- B. Communication between the fabric interconnects failed.
- C. Communication between Cisco UCS Manager and the server failed.
- D. The Cisco UCS B-Series Blade Server is connected incorrectly to the fabric interconnects.

Correct Answer: A

QUESTION 2

A customer reports that they are missing vPC peer link redundancy between two Cisco Nexus 5548UP switches. The interfaces on both switches are configured and cabled correctly. The interface status is up/down on switch 1 and up/up on switch 2. Which two steps should be taken to isolate the root cause? (Choose two.)

- A. Swap the ends of the fiber-optic cable
- B. ask the customer if the link was ever functional



- C. determine whether the fiber-optic cable manufacturer is valid under the interoperability matrix
- D. swap the transceivers between the two interfaces
- E. determine Whether the fiber-optic cable type (single mode or multimode) matches the X2 modules

Correct Answer: AD

QUESTION 3

Refer to the exhibit.

```
FC-CORE1# show interface port-channel 120
port-channel120 is trunking
  Port description is FC Uplink to FC-EDGE12
  Hardware is Fibre Channel
  Port WWN is 24:78:54:7f:ee:d8:33:99
  Admin port mode is E, trunk mode is on
  snmp link state traps are enabled
  Port mode is TE
  Port vsan is 3003
  Speed is 32 Gpbs
  admin fec state is down
  oper fec state is down
  Trunk vsans (admin allowed and active) (3003)
  Trunk vsans (up) (3003)
  Trunk vsans (isolated) ()
  Trunk vsans (initializing) ()
  5 minutes input rate 1408 bits/sec, 176 bytes/sec, 2
frames/sec
  5 minutes output rate 192 bits/sec, 24 bytes/sec, 2 frames/sec
  83966661793 frames input, 165567296408936 bytes
    0 discards, 0 errors
    0 invalid CRC/FCS, 0 unknown class
    0 too long, 0 too short
  3097185105 frames output, 275024584632 bytes
    0 discards, 0 errors
  55 input OLS,27LRR, 7 NOS,0 loop inits
  34 output OLS,16 LRR, 51 NOS, 0 loop inits
  Member[1] : fc1/3
  Member[2] : fc1/4
  Member[3] : fc7/3
  Member[4] : fc7/4
  Interface last changed at Fri Apr 21 00:21:11 2017
```

The FC-CORE1 switch connects to the FC-EDGE12 switch via port channel 120. How many links must fail to cause the



port channel state to change to down?

- A. 3
- B. 4
- C. 5
- D. 6

Correct Answer: B

QUESTION 4



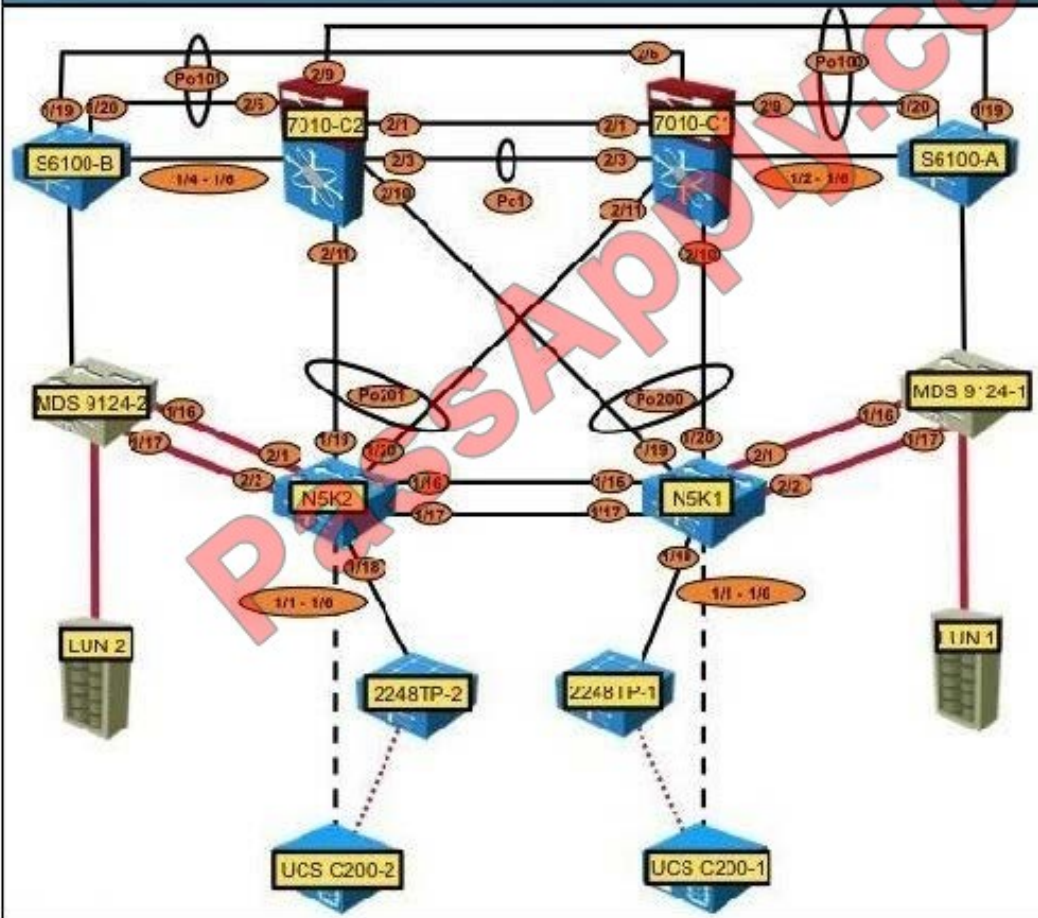
TSR Watermark Image - Unregistered version - This line is removed when registered

- Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.
- 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.

Scenario

The following four questions cover the Cisco Nexus 7010 and Nexus 5000 switches, which are at the core of a data center network. Utilize all the available **show** commands to answer the items. Access to the running configuration is not allowed.

Exhibit1







Cisco UCS users residing behind N5K2 are complaining about poor performance with a single LAN application in the data center. Which statement best explains what is wrong with N5K2?

- A. Traffic balancing is based on the destination IP address.
- B. Port channel members do not have equal bandwidths.
- C. The trunk between the Nexus 5000 switches is filtering all VLANs.
- D. E2/1 on N7010-C2 is not configured as a trunk for application traffic from N5K2.

Correct Answer: A

Traffic balancing is based on the destination IP address Use the "show port-channel load-balance" command to verify.

QUESTION 5

You have an FEX connected with two uplinks. When you attempt to set the max-link parameter to 4 for the FEX, you receive an error message.

Which issue could cause the error?

- A. The FEX is offline
- B. The links must be down prior to changing the parameters
- C. The links are configured as port channels.



D. There are too few links.

Correct Answer: C

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