



# Cisco

## 300-180 Exam

### Cisco Troubleshooting Cisco Data Center Infrastructure Exam

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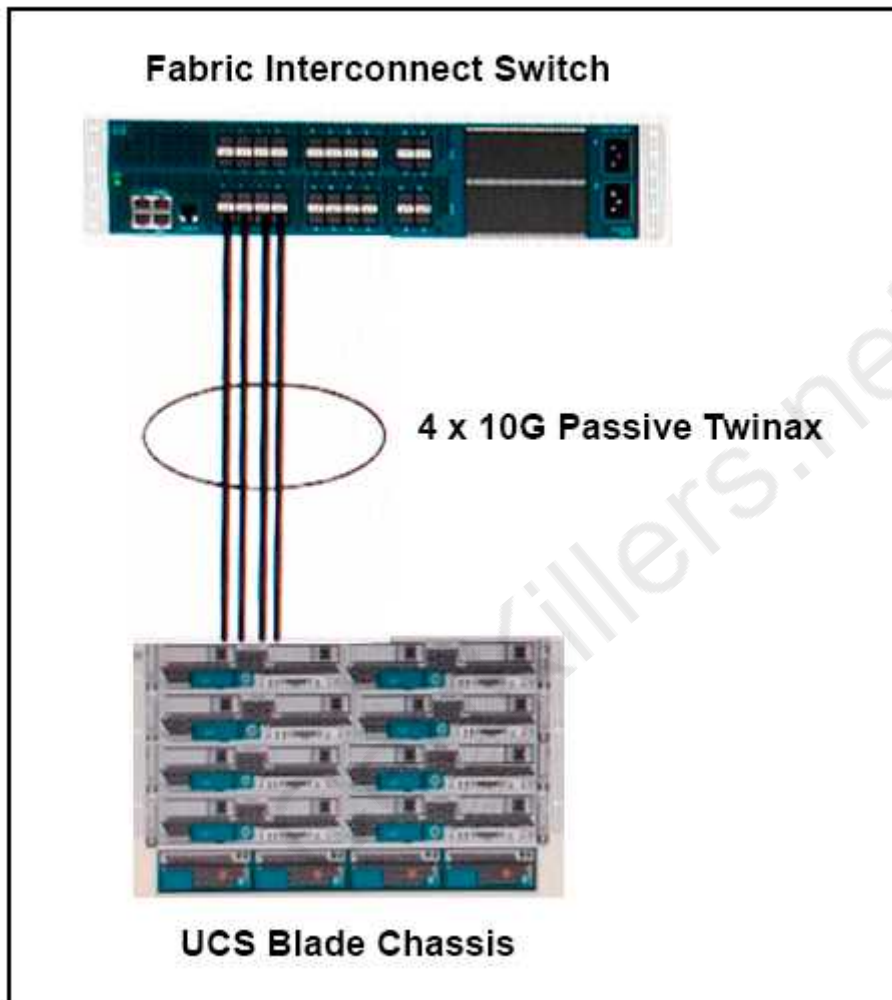
## Version: 25.1

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### Question: 1

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Refer to the exhibit.



Your customer is migrating their existing top-of-rack data center to a new location that uses an end-of-rack configuration. The customer requests a site survey prior to the migration.

Which fact must you highlight in your survey that is required for a successful translation?

- A. power source must be 240 volts only for blade chassis.
- B. power source must be 240 volts only for fabric interconnect switches.
- C. blade chassis using passive TWINAX cables must be placed within 5 meters of the end rack.
- D. Blade chassis must not be fully equipped with blades when using an end-of-rack setup.

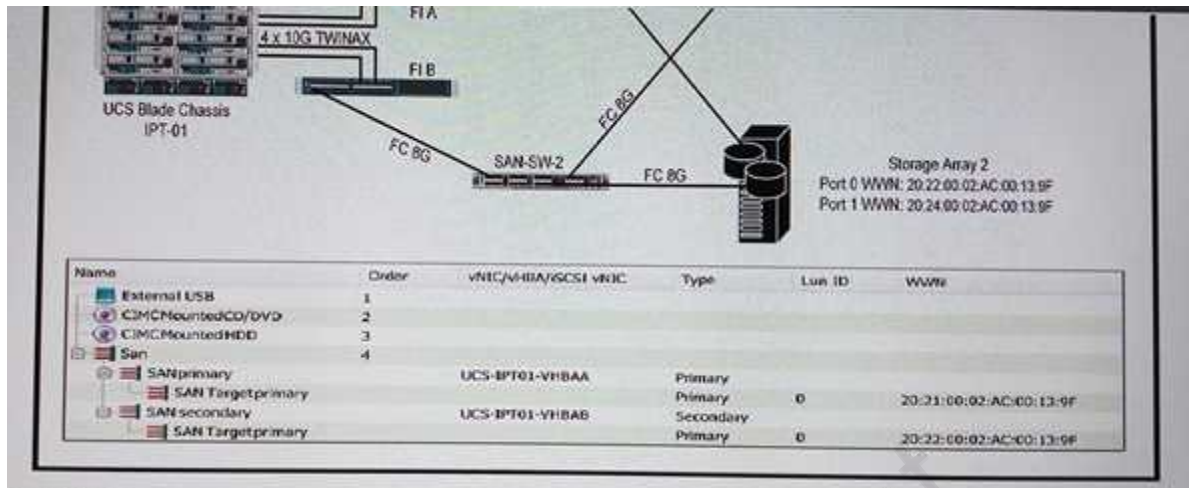
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**Answer: C**

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**Question: 2**

Refer to the exhibit.



SAN-SW-1 has failed and must be replaced. Your client reports that all servers are booting from storage array 2 even though storage array 1 is up and reachable by Cisco UCS infrastructure. Which reason is

- A. SAN target primary under SAN primary must be changed to SAN target secondary under SAN secondary.
- B. SAN target primary under SAN secondary must be changed to SAN target secondary under SAN secondary.
- C. SAN target primary under SAN secondary must be changed to SAN target secondary under SAN primary.
- D. SAN target secondary must be added to primary and SAN secondary.

**Answer: D**

**Question: 3**

Which two conditions can prevent vFC from coming up? (Choose two.)

- A. PFC is enabled.
- B. DCBX is disabled.
- C. LDP is disabled.
- D. vPC is enabled.
- E. VSAN trunking is enabled

**Answer: B, C**

**Question: 4**

DRAG DROP  
Refer to the exhibit.

```

CORE-7K1 (config)# vdc CORE-FC-SW1 type storage
Note: Creating VDC, one moment please ...
Note: FCoE Enable failed

CORE-7K1 (config)# service-policy type network-gos ?
default-nq-4e-policy Default 4-ethernet policy (4-drop 4-nodrop CoS)
default-nq-6e-policy Default 6-ethernet policy (6-drop 2-nodrop CoS)
default-nq-7e-policy Default 7-ethernet policy (7-drop 1-nodrop CoS)
default-nq-8e-policy Default 8-ethernet policy (8-drop CoS)
    
```

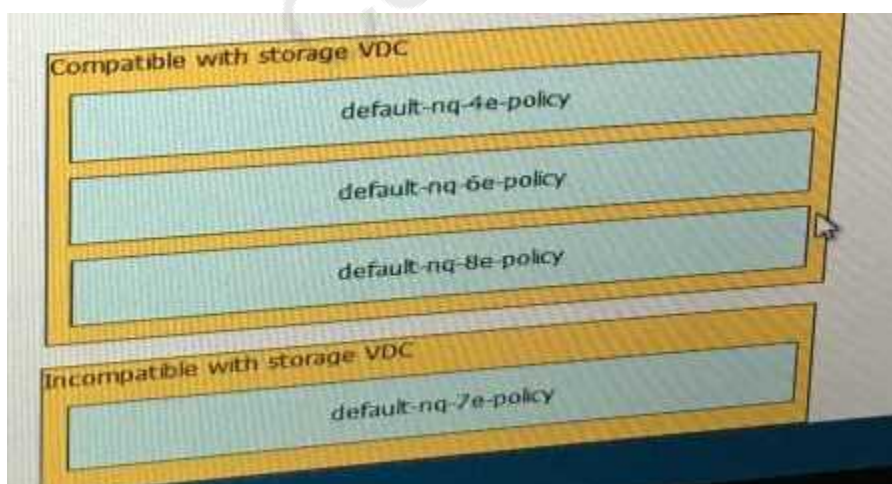
You are configuring a FCoE VDC on a Cisco Nexus 7000 Series Switch. You are required to identify compatible QoS policies for the FCoE VDC. Drag and drop the QoS policy names on the left to their correct compatibility categories on the right.

default-nq-6e-policy	<b>Compatible with storage VDC</b> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px;"></div>
default-nq-7e-policy	
default-nq-8e-policy	
default-nq-4e-policy	<b>Incompatible with storage VDC</b> <div style="border: 1px solid black; height: 20px;"></div>

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**Answer:**

\_\_\_\_\_



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**Question: 5**


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Which communication is exchanged between neighbors during OTV adjacency formation across the layer 3 multicast network?

- A. IGMP packets
- B. OTV open messages
- C. L1 IS-IS Hello packets
- D. OTV adjacency packets

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**Answer: A**

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**Question: 6**


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Refer to the exhibit.

```

- # vncmd show card
Card UUID type 2: 24266920-d498-11e0-0000-00000000000f
Card name:
Switch name: Nexus1000v
Switch alias: DvsPortset-0
Switch uuid: ee 63 3c 50 04 b1 6d d6 58 61 cf ba 56 05 14 fd
Card domain: 27
Card slot: 3
VEM Tunnel Mode: L3 Mode
VEM Control (AIFC) MAC: 00:02:3d:10:1b:02
VEM Packet (inband/outband) MAC: 00:02:3d:20:1b:02
VEM Control Agent (DPA) MAC: 00:02:3d:40:1b:02
VEM SPAN MAC: 00:02:3d:30:1b:02
Primary VEM MAC : 00:50:56:bc:74:f1
Primary VEM PRT MAC : 00:50:56:bc:62:b4
Primary VEM MGMT MAC : 00:50:56:bc:0b:d5
Standby VEM CTRL MAC : 00:50:56:bc:6a:3d
Management IPv4 address: 14.17.168.1
Management IPv6 address:
0000:0000:0000:0000:0000:0000:0000:0000
Primary L3 Control IPv4 address: 0.0.0.0
Secondary VEM MAC : 00:00:00:00:00:00
Secondary L3 Control IPv4 address: 0.0.0.0
Upgrade : Default
Max physical ports: 32
Max virtual ports: 216
Card control VLAN: 854
Card packet VLAN: 854
Control type multicast: No
Card Headless Mode : No
Processors: 16
Processor Cores: 8
Processor Sockets: 2
Kernel Memory: 75102148
Port link-up delay: 5s
Global DVEB: DISABLED
Heartbeat Set: True
PC LB Algo: source-mac
Datapath portset event in progress : no
Licensed: Yes

switch1# show mac address-table | grep 1b02
* 168 0002.3d20.1b02 dynamic 20 F F Veth854
* 168 0002.3d40.1b02 dynamic 0 F F Veth854
* 1 0002.3d40.1b02 dynamic 1300 F F Veth854

```

Which statement describes the output of the command?

- A. The VSM is connected to the vCenter server.
- B. The ports of the host are added to the DVS on VLAN 27.
- C. The DPA interface is configured to use the incorrect VLAN.
- D. The active VSM is connected to the standby VSM.

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**Answer: A**

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**Question: 7**


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Refer to the exhibit.

```

switch# show user-account user1
user:user1
    this user account has no expiry date
    roles: tech-admin vsan-admin
no password set. local login not allowed
Remote login through RADIUS is possible

switch# show role tech-admin
Role: tech-admin
Description: Admin management group
vlan policy: permit

-----
Rule      Type      Command-type      Feature
-----
1.        permit   config            *
2.        deny     config            role
3.        permit   debug             ntp
4.        permit   exec              *

```

A user named user 1 cannot create roles. Which action do you take to resolve the issue?

- A. Allow user 1 to log in locally.
- B. Assign user1 to the network-admin role.
- C. Assign user1 to the tech-admin role only.
- D. Set the user password for user1.

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**Answer: D**

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**Question: 8**


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Which statement about the Nexus atomic rollback feature is true?

- A. it restores the default manufacturing configuration.
- B. Each error must be acknowledged prior to implementation.
- C. it is implemented only if error occur.
- D. it is implemented and any errors are skipped.

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**Answer: C**

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**Question: 9**


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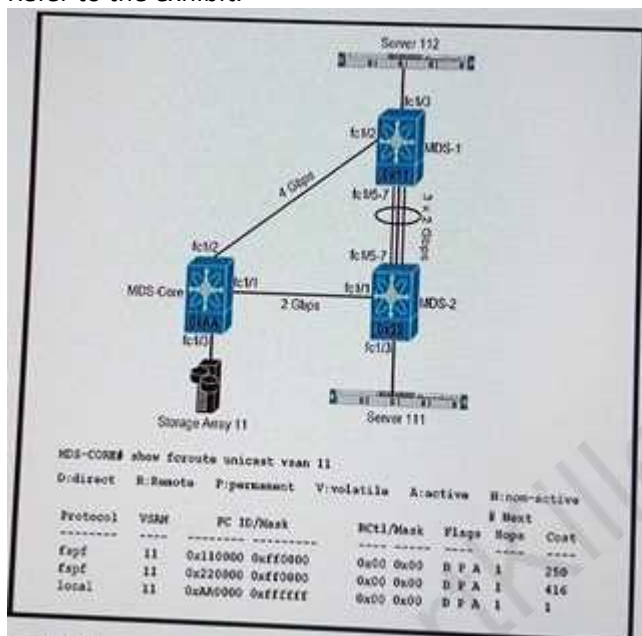
A customer has a Cisco UCS Center cluster. The customer configures LDAP as the AAA protocol and enables SSL for LDAP. The LDAP authentication fails. Which issue is the cause of the failure?

- A. The LDAP client passed an incorrect from the trustpoint.
- B. The CA certificate is missing from the trustpoints.
- C. The LDAP server limit that is set by an administrative authority was exceeded.
- D. The LDAP time limit that is specified by either the client or the server was exceeded.

**Answer: D**

**Question: 10**

Refer to the exhibit.



Your customer reports that all storage traffic from storage array 11 to server 111 is taking the longest path, traveling from MDS-1 to MDS-2. You start troubleshooting the issue by checking the Fibre Channel routing table. Which configuration set fixes the customer issues without affecting the storage array route of server 112?

- A. MDS-Core(config)# interface fc1/1  
MDS-Core(config-if)# fspf cost 90 vsan 11
- B. MDS-Core(config)# interface fc1/1  
MDS-Core(Config-if)# cost 80 vsan 11
- C. MDS-Core(config)# interface fc 1/1  
MDS-Coe(config-if)# fspf cost 60 vsan 11
- D. MDS-Core(config)# interface fc1/1  
MDS-Core(config-if)# fspf cost 70 vsan 11

**Answer: C**

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