

## 350-601<sup>Q&As</sup>

Implementing and Operating Cisco Data Center Core Technologies  
(DCCOR)

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## QUESTION 1

An engineer configures a role for a new user in Cisco UCS Manager. The role should allow the user to configure vHBAs, vNICs, and server port types. Which role should be assigned to allow the engineer to complete this task?

- A. network administrator
- B. operations
- C. server-compute
- D. AAA administrator

Correct Answer: A

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-4/UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_4\\_chapter9.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-4/UCSM_GUI_Configuration_Guide_1_4_chapter9.html)

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucsm\\_privileges/3-1/UCSM-Privileges-3\\_1.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucsm_privileges/3-1/UCSM-Privileges-3_1.pdf)

### Reserved Words: User Roles

The following words cannot be used when creating custom roles in Cisco UCS Manager.

- network-admin
- network-operator
- vdc-admin
- vdc-operator
- server-admin

### Privileges

Privileges give users assigned to user roles access to specific system resources and permission to perform specific tasks. The following table lists each privilege and the user role given that privilege by default.

Table 1 User Privileges

| Privilege        | Description                | Default Role Assignment |
|------------------|----------------------------|-------------------------|
| aaa              | System security and AAA    | AAA Administrator       |
| admin            | System administration      | Administrator           |
| ext-lan-config   | External LAN configuration | Network Administrator   |
| ext-lan-policy   | External LAN policy        | Network Administrator   |
| ext-lan-qos      | External LAN QoS           | Network Administrator   |
| ext-lan-security | External LAN security      | Network Administrator   |
| ext-san-config   | External SAN configuration | Storage Administrator   |
| ext-san-policy   | External SAN policy        | Storage Administrator   |
| ext-san-qos      | External SAN QoS           | Storage Administrator   |
| ext-san-security | External SAN security      | Storage Administrator   |
| fault            | Alarms and alarm policies  | Operations              |
| operations       | Logs and Smart Call Home   | Operations              |
| pod-config       | Pod configuration          | Network Administrator   |
| pod-policy       | Pod policy                 | Network Administrator   |
| pod-qos          | Pod QoS                    | Network Administrator   |

### Ext Lan Policy (ext-lan-policy)

This privilege allows a user to configure LAN settings on a fabric interconnect, including Ethernet border ports, VLANs, LAN PIN groups, Ethernet SPAN sessions, LAN policies, and vNIC/vHBA placement policies.

## QUESTION 2

What is a benefit of using the Cisco UCS Lightweight upgrade feature?

- A. Security updates are scheduled with the next reboot of the fabric interconnects.
- B. The firmware version of a component is updated only when it has been modified
- C. All servers are rebooted to push the latest updates.
- D. A soft reboot is available for the fabric interconnects.

Correct Answer: B

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-central/GUI-User-Guides/Administration/2-0/b\\_CiscoUCSCentral\\_AdministrationGuide-2-0/b\\_CiscoUCSCentral\\_AdministrationGuide-2-0\\_chapter\\_01000.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Administration/2-0/b_CiscoUCSCentral_AdministrationGuide-2-0/b_CiscoUCSCentral_AdministrationGuide-2-0_chapter_01000.pdf)

## About Lightweight Upgrade

Cisco UCS Central 2.0 introduces a Lightweight upgrade that enhances Cisco UCS Manager firmware upgrade and delivers security updates through service packs. Service packs are specific and cumulative to a maintenance release. Cisco UCS Central supports firmware upgrades through service packs for Cisco UCS Manager versions 3.1(3) and later.

- Lightweight upgrade enhances firmware upgrade in the following ways:
  - The firmware version of a component will be updated only if it has been modified.
  - Security updates will be provided through service packs.
  - Within a service pack, updates may only apply to certain components. These components may, at times, be upgraded without an endpoint reboot.
  - Infrastructure and server components updates are delivered through a common service pack bundle. For servers components, only the modified firmware images will be part of the service pack bundle.

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### QUESTION 3

An engineer needs to monitor ingress traffic that arrives at interface Ethernet 1/3 that belongs to a Cisco Nexus 5600 Series Switch. The traffic analyzer machine located at interface Ethernet 1/5 is already monitoring other production, and the traffic analyzer must not be impacted by the traffic captured from the interface Eth1/3. The operations team allocated a traffic budget for the new monitoring session of 1 Gbps to meet this requirement.

Which set of commands configures the SPAN session?

- A.
- ```
interface Ethernet 1/3
monitor session 2
destination interface ethernet 1/5
source interface rx

interface Ethernet 1/5
monitor rate-limit 1G
```
- B.
- ```
interface Ethernet 1/3
monitor rate-limit 1G
destination interface ethernet 1/5
source interface rx

interface Ethernet 1/5
monitor session 2
destination interface tx
```
- C.
- ```
interface Ethernet 1/3
switchport monitor rate-limit 1G

monitor session 2
destination interface ethernet 1/5
source interface Eth 1/3
```
- D.
- ```
interface Ethernet 1/3 rx
switchport mode SD
switchport monitor rate-limit 1G
monitor session2
destination interface ethernet 1/5
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

Find Matches in This Book

|        |  |  |
|--------|--|--|
|        | <code>switch(config)# interface ethernet slot/port</code>        | Enters interface configuration mode for the specified Ethernet interface selected by the slot and port values. |
| Step 3 | <code>switch(config-if)# switchport monitor rate-limit 1G</code> | Specifies that the rate limit is 1 Gbps.   |
| Step 4 | <code>switch(config-if)# exit</code>                             | Reverts to global configuration mode.  |

**Example**

This example shows how to limit the bandwidth on Ethernet interface 1/2 to 1 Gbps:

```
switch(config)# interface ethernet 1/2
switch(config-if)# switchport monitor rate-limit 1G
switch(config-if)#
```

**Configuring Source Ports**

**Procedure**

|        | Command or Action   | Purpose   |
|--------|---|---|
| Step 1 | <code>switch# configure terminal</code>   | Enters global configuration mode.   |
| Step 2 | <code>switch(config) # monitor session session-number</code>                            | Enters monitor configuration mode for the specified monitoring session.   |
| Step 3 | <code>switch(config-monitor) # source interface type slot/port [rx   tx   both ]</code> | Adds an Ethernet SPAN source port and specifies the traffic direction in which to duplicate packets. You can enter a range of Ethernet, Fibre Channel, or virtual Fibre Channel ports. You can specify the traffic direction to duplicate as ingress (Rx), egress (Tx), or both. By default, the direction is both. |

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5600/sw/system\\_management/7x/b\\_5600\\_System\\_Mgmt\\_Config\\_7x/configuring\\_span.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5600/sw/system_management/7x/b_5600_System_Mgmt_Config_7x/configuring_span.html)

**QUESTION 4**

An engineer configures a storage environment for a customer with high-security standards. The secure environment is configured in vsan 50. The customer wants to maintain a configuration and active databases and prevent unauthorized switches from joining the fabric. Additionally, the switches must prevent rogue devices from connecting to their ports by automatically learning the WWPNs of the ports connected to them for the first time. Which two configuration sets must be used to meet these requirements? (Chose two.)

- A  **port-security enable**  
**port-security activate vsan 50**
- B  **clear fabric-binding activate vsan 50**  
**fabric-binding activate vsan 50**
- C  **fabric-binding activate vsan 50 force**
- D  **fcsp enable**  
**fcsp auto-active**
- E  **fcsp dhchap hash md5 sha1**

A. Option A

B. Option B

C. Option C

D. Option D

E. Option E

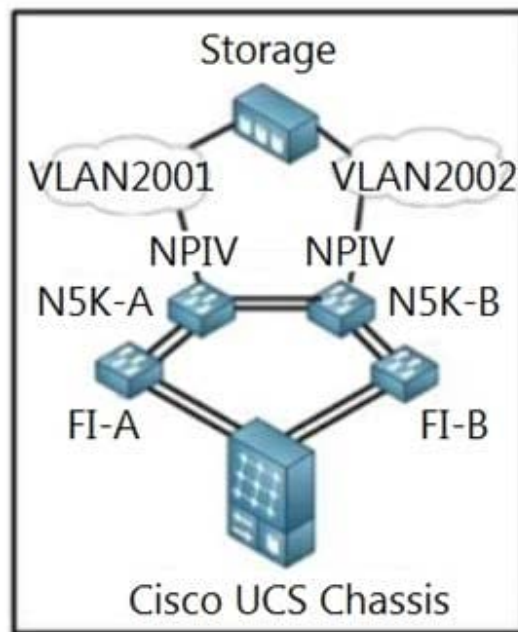
Correct Answer: AC

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## QUESTION 5

Refer to the exhibit.





**Create VSAN**

Name:

**FC Zoning Settings**

FC Zoning:  Disabled  Enabled

Do **NOT** enable local zoning if fabric interconnect is connected to an upstream FC/FCoE switch.

Common/Global  Fabric A  Fabric B  Both Fabrics Configured Differently

You are creating a global VSAN that maps to the same VSAN ID in all available fabrics.

A VLAN can be used to carry FCoE traffic and can be mapped to this VSAN.

Enter the VSAN ID that maps to this VSAN.

Enter the VLAN ID that maps to this VSAN.

VSAN ID:  FCoE VLAN:

An engineer is configuring a VSAN on the network. Which option must be selected to create the VSAN?

- A. Fabric B
- B. FC Zoning Enabled
- C. Fabric A
- D. Common/Global

Correct Answer: C

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/fabric/fabric\\_fm\\_4\\_2\\_published/fm\\_fabric/vsan.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/fabric/fabric_fm_4_2_published/fm_fabric/vsan.html) [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-central/GUI-User-Guides/Storage-Mgmt/1-5/b\\_CiscoUCSCentral\\_Storage\\_Management\\_Guide\\_1-5/b\\_CiscoUCSCentral\\_Storage\\_Management\\_Guide\\_1-5\\_chapter\\_011.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Storage-Mgmt/1-5/b_CiscoUCSCentral_Storage_Management_Guide_1-5/b_CiscoUCSCentral_Storage_Management_Guide_1-5_chapter_011.pdf)

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