

350-601 Q&As

Implementing and Operating Cisco Data Center Core Technologies
(DCCOR)

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QUESTION 1

A POAP-enabled Cisco Nexus switch will not enter POAP mode. Which two conditions should be verified? (Choose two.)

- A. Bootflash must contain a special directory named POAP with poap.py file.
- B. The switch is in bootup process.
- C. No startup configuration is available.
- D. The license file is missing on the switch.
- E. No Cisco NX-OS image is present on the bootflash.

Correct Answer: BC

POAP configuration guidelines and limitations are as follows:

1.

The Cisco Nexus switch software image must support POAP for this feature to function.

2.

POAP does not support provisioning of the switch after it has been configured and is operational. Only auto-provisioning of a switch with no startup configuration is supported.

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/fundamentals/config/cisco_nexus_7000_fundamentals_config_guide_8x/Using_PowerOn_Auto_Provisioning.html

QUESTION 2

What is a characteristic of the install all command on the Cisco Nexus Series Switch?

- A. automatically checks the image integrity
- B. continues the upgrade process if any step in the sequence fails
- C. upgrades only certain modules
- D. impacts data plane traffic

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/upgrade/guide/b_Cisco_Nexus_9000_Series_NX-OS_Software_Upgrade_and_Downgrade_Guide_Release_7x/b_Cisco_Nexus_9000_Series_NXOS_Software_Upgrade_and_Downgrade_Guide_Release_7x_chapter_010.html
install all command automatically checks the image integrity, which includes the NXOS software image. The command performs a platform validity check to verify that a wrong image is not used. https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/upgrade/7_x/bCisco_Nexus_3000_Series_NX_OS_Software_Upgrade_and_Downgrade_Release_7_x/bCisco_Nexus_3000_Series_NX_OS_Software_Upgrade_and_Downgrade_Release_7_x_newGuide_chapter_01.html

QUESTION 3

Which two actions should be taken before an upgrade is started on a Cisco MDS switch? (Choose two.)

- A. check the impact of the upgrade using the show install all impact command
- B. disable Cisco Fabric Services
- C. back up the configuration
- D. free up space on the USB3 device by deleting old Cisco NX-OS image files
- E. make the primary supervisor the active supervisor

Correct Answer: AC

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_2/upgrade/guides/nx-os/upgrade.html

QUESTION 4

Refer to the exhibit.

```
ACI-Leaf1# show ip route vrf DATACENTER:DC
10.20.1.0/24, ubest/mbest: 1/0, attached, direct, pervasive
  *via 10.0.8.65%overlay-1, [1/0], 4w3d, static
172.16.100.0/24, ubest/mbest: 1/0
  *via 10.1.168.95%overlay-1, [200/5], 3wod, bgp-132, internal, tag 132 (mpls-vpn)
172.16.99.0/24, ubest/mbest: 1/0
  *via 10.0.1.14, [20/0], 3wod, bgp-132, external, tag 200
```

Which two statements about the routing table of the leaf switch are true? (Choose two.)

- A. The next hop 10.0.1.14 for route 172.16.99.0/24 is the TEP address of a border leaf in ACI.
- B. 172.16.100.0/24 is a BD subnet in ACI.
- C. The next hop 10.0.8.65 for route 10.20.1.0/24 is the TEP address of a border leaf in ACI.
- D. The next hop 10.1.168.95 for route 172.16.100.0/24 is the TEP address of a border leaf in ACI.
- E. 10.20.1.0/24 is a BD subnet in ACI.

Correct Answer: DE

QUESTION 5

A network administrator is creating a custom Django self-service portal that runs on a Linux server to automate the creation of new VLANs on Cisco UCS Manager. Which feature must be installed and configured on the server?

- A. Cisco ucs Powertool Suite
- B. Cisco DNA Center API
- C. Cisco AppDynamics
- D. Cisco UCS Python SDK

Correct Answer: D

QUESTION 6

DRAG DROP

An engineer must configure an LACP port channel on two Cisco Nexus 7000 Series Switches.

The interface e1/2 must be a hot-standby link that initiates negotiation with other ports.

Drag and drop the commands from the right onto the blanks in the configuration on the left.

Not all commands are used.

Select and Place:

```
configure terminal
  feature 
interface Ethernet 1/2
  switchport
  channel-group 2 
interface Ethernet 1/3
  switchport
  channel-group 2 mode active
  lacp port 
```

-
-
-
-
-
-

Correct Answer:

```
configure terminal
feature lacp
interface Ethernet 1/2
switchport
channel-group 2 mode active
interface Ethernet 1/3
switchport
channel-group 2 mode active
lacp port priority 1
```

mode passive

priority 65534

mode on

QUESTION 7

An engineer must configure RBAC in Cisco UCS Manager in an existing data center environment.

Which two roles are suitable for configuring LAN connectivity policies? (Choose two.)

- A. server-profile
- B. network-admin
- C. operations
- D. enable
- E. admin

Correct Answer: BE

QUESTION 8

An engineer needs to create a new user in the local user database on Cisco UCS Fabric Interconnect. The user needs permissions to change the following configuration inside UCS Manager version 3.1:

1. vNIC and vHBA profiles
2. Fan speed and power redundancy profile of UCS Manager

Which two roles must be assigned to a user to achieve this goal? (Choose two.)

- A. server-compute
- B. facility-manager
- C. operations
- D. server-equipment
- E. server-profile

Correct Answer: AD

Reference: https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/31/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_UCSM_Admin_Mgmt_Guide_chapter_01.html

QUESTION 9

Which statement describes monitoring Fibre Channel traffic on a Cisco UCS 6332 Fabric Interconnect?

- A. Fibre Channel traffic is monitored only on one vHBA per server.
- B. The destination port for monitoring must be an unassigned Fibre Channel port.
- C. The monitoring of Fibre Channel traffic is limited to the default VSAN.
- D. Fibre Channel traffic is capable to be monitored as it is encapsulated as FCoE.

Correct Answer: D

You can monitor Fibre Channel traffic using either a Fibre Channel traffic analyzer or an Ethernet traffic analyzer. When Fibre Channel traffic is monitored with an Ethernet traffic monitoring session, at an Ethernet destination port, the destination traffic is FCoE. The Cisco UCS 6300 Fabric Interconnect supports FC SPAN only on the ingress side. A Fibre Channel port on a Cisco UCS 6248 Fabric Interconnect cannot be configured as a source port.

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/System-Monitoring/3-2/b_UCSM_GUI_System_Monitoring_Guide_3_2/b_UCSM_GUI_System_Monitoring_Guide_3_2_chapter_01101.pdf

QUESTION 10

Refer to the exhibit.

```
switch(config-dest) # sensor-group 100
switch(conf-tm-sensor) # path show_stats_fc3/1
switch(conf-tm-sensor) # subscription 100
switch(conf-tm-sub) # 
switch(conf-tm-sub) # dst-grp 100
```

An engineer needs to implement streaming telemetry on a Cisco MDS 9000 Series Switch. The requirement is for the show command data to be collected every 30 seconds and sent to receivers. Which command must be added to the configuration to meet this requirement?

- A. snsr-grp 200 sample-interval 30000
- B. snsr-grp 200 sample-interval 30
- C. sensor-grp 200 sample-period 30
- D. sensor-grp 200 sample-period 30000

Correct Answer: A

Link the sensor group with an ID to the subscription node and set the data streaming sample interval in milliseconds: `switch(conf-tm-sub)# snsr-grp id sample-interval interval` Note: The minimum streaming sample interval that is recommended is 30000.

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/san_analytics/cisco-mds9000-san-analytics-telemetry-streaming-config-guide-8x/configuring-san-telemetry-streaming.html

QUESTION 11

What is an advantage of using Ansible for automation as compared to puppet and chef?

- A. Ansible automates the enforcement of configuration settings.
- B. Ansible perform automation without installing a software agent on the target node.
- C. Ansible configures a set of CLI commands on a device by using NETCONF.
- D. Ansible abstracts a scenario so that set of configuration setting can be used across multiple operating systems.

Correct Answer: B

QUESTION 12

An engineer must add a new VRF (DC DC) to the network that runs with Multiprotocol Border Gateway Protocol (MP-BGP) and EVPN. The requirement for the new VRF is to allow communication of network prefixes between PE1 and PE2.

Which two sets of steps should be taken to complete the VRF configuration? (Choose two)

<pre>PE1: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:1 route-target export 233:2</pre>	<pre>PE2: vrf context DC1DC rd 233:2 address-family ipv4 unicast route-target import 233:1 route-target export 233:2</pre>
<pre>PE1: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:1 route-target export 233:2</pre>	<pre>PE2: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:2 route-target export 233:1</pre>
<pre>PE1: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:1 route-target export 233:1</pre>	<pre>PE2: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:2 route-target export 233:2</pre>
<pre>PE1: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:1 route-target export 233:1</pre>	<pre>PE2: vrf context DC1DC rd 233:2 address-family ipv4 unicast route-target import 233:1 route-target export 233:1</pre>
<pre>PE1: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:1 route-target export 233:2</pre>	<pre>PE2: vrf context DC1DC rd 233:1 address-family ipv4 unicast route-target import 233:2 route-target export 233:2</pre>

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Correct Answer: DE

QUESTION 13

DRAG DROP

Drag and drop the firmware packages from the left onto the software bundles they belong to on the right.

Select and Place:

Answer Area

- Board controller firmware
- BIOS firmware
- Kernel and system firmware for Fabric Interconnects
- CIMC firmware
- I/O module firmware
- Cisco UCS Manager software

Cisco UCS Infrastructure Software Bundle

-
-
-

Cisco UCS B-Series Blade Server Software Bundle

-
-
-

Correct Answer:

Answer Area

-
-
-
-
-
-

Cisco UCS Infrastructure Software Bundle

- Kernel and system firmware for Fabric Interconnects
- I/O module firmware
- Cisco UCS Manager software

Cisco UCS B-Series Blade Server Software Bundle

- Board controller firmware
- BIOS firmware
- CIMC firmware

QUESTION 14

Host1 is in VLAN100 located in DataCenter1 and Host2 is in VLAN200 located in DataCenter2.
Which OTV VLAN mapping configuration allows Layer 2 connectivity between these two hosts?

A. DC1:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

DC2:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

B. DC1:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

DC2:
interface Overlay1
otv extend-vlan 200

C. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay2
otv extend-vlan 200

D. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay1
otv extend-vlan 200

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 15

An engineer changed a configuration and must perform a rollback. Which statement applies to a Cisco Nexus 5600 Series switch?

A. Errors are skipped when an atomic rollback type is triggered.

B. A user who is assigned to the network-operator user role can perform a rollback.

C. The configuration rollback functionality is disabled when FCoE is enabled.

D. A system checkpoint is generated automatically when the running configuration is saved to NVRAM.

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/system_management/503_n1_1/cisco_n5k_system_mgmt_cg_rel_503_n1_1_chapter11.pdf https://www.google.com/url?sa=t&source=web&drct=j&url=https://www.cisco.com/c/en/us/td/ocs/switches/datacenter/nexus5000/sw/system_management/503_n1_1/cisco_n5k_system_mgmt_cg_rel_503_n1_1_chapter11.pdf&ved=2ahUKEwjQ8ubTuK3xAhWm3jgGHZ9gB0oQFjAAegQIBRACandusg=AOvVaw2j0nnvXiChAoVooxX2Qx0g

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