

# Cisco

## Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies



**NEW QUESTION 1**

A customer needs a tool to take advantage of the CI/CD model to streamline its operation and optimize cost. The customer wants to integrate the solution with the cisco products it currently uses, Including Cisco ACI networking and Cisco UCS servers. The solution should also provide on-premises Kubernetes and AppDynamics performance monitoring. Because of the security requirements, the solution not install a local client on products under management. which orchestration solution meets these requirements?

- A. Cisco APIC
- B. CISCO UCS director
- C. Cisco DCNM
- D. Cisco CloudCenter

**Answer: D**

**NEW QUESTION 2**

Which product includes prebuilt templates that can be used to customize fabric deployments?

- A. Cisco ACI
- B. Cisco UCS Manger
- C. Cisco data Center Network Manger
- D. Cisco Tetratation

**Answer: C**

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/prime-data-center-networkmanag>

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/11\\_2\\_1/config\\_guide/lanfabric/b\\_dcnm\\_fabric\\_lan/template\\_usage.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/11_2_1/config_guide/lanfabric/b_dcnm_fabric_lan/template_usage.html)

**NEW QUESTION 3**

A customer wants to offload some of its order processing to a public cloud environment. The customer environment is based on Cisco ACI and uses Puppet with containenzed applications. The operations team requires a solution to orchestrate and optimize the cost of the new solution. Which product must be used to meet these requirements?

- A. Cisco Intersight
- B. Cisco Workload Optimization Manager
- C. Cisco CloudCenter
- D. Cisco Data Center Network Manager

**Answer: C**

**Explanation:**

<https://www.cisco.com/c/dam/en/us/products/collateral/cloud-systems-management/cloudcenter/white-paper-c1>

- Enforce multicloud governance by guiding user decisions to reduce risk
- Securely automate deployment to reduce manual effort and get consistent results
- Increase feature velocity via integration with developer tools to accelerate time to market (CI/CD = Puppet, Chef, and Ansible).
- Optimize cloud consumption to cut pay-per-use cloud costs

<https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/cloudcenter-suite/datasheet-c78>

**NEW QUESTION 4**

A network administrator must configure an extra keyring in Cisco UCS Manager. The key must provide a high level of encryption and secure authentication when users use the web interface. Which configuration command set must be applied to meet these requirements?

- ☒ **set https keyring kring7984**  
**set https cipher-suite-mode secure**  
**set https ssl-protocol tls1-2**  
**commit-buffer**
- ☐ **set https keyring kring7984**  
**set https cipher-suite-mode secure**  
**set https tls-protocol tls1-2**  
**commit-buffer**
- ☐ **set https keyring kring7984**  
**set https cipher-suite-mode high**  
**set https ssl-protocol tls1-2#**  
**commit-buffer**
- ☐ **set https keyring kring7984**  
**set https cipher-suite-mode high**  
**set https tls-protocol tls1-2**  
**commit-buffer**

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

**Answer: C**

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Managem](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Managem) "cipher-suite-mode secure" is invalid command. "Cipher-suite-mode high" is valid command. "tls-protocol tls1-2" is invalid command. "Ssl-protocol tls1-2" is valid command.

```
UCS-A# scope system
UCS-A /system # scope services
UCS-A /system/services # enable https
UCS-A /system/services* # set https port 443
Warning: When committed, this closes all the web sessions.
UCS-A /system/services* # set https keyring kring7984
UCS-A /system/services* # set https cipher-suite-mode high
UCS-A /system/services* # set https ssl-protocol tls1-2
UCS-A /system/services* # commit-buffer
UCS-A /system/services #
```

#### NEW QUESTION 5

Refer to the exhibit

```
#!/bin/bash
### BEGIN INIT INFO
# Provides:      capture
# Required-Start: $local_fs $network $named $time $syslog
# Required-Stop:  $local_fs $network $named $time $syslog
# Description:    Continuous capture script
### END INIT INFO

start() {
    tcpdump -W 3 -C 100 -i Etl1-42 -w /tmp/capture.pcap &
    RETVAL=$?
}

stop() {
    killall -9 tcpdump
    RETVAL=$?
}

case "$1" in
    start)
        start
        ;;
    stop)
        stop
        ;;
    *)
        echo "Usage: $0 {start|stop}"
        RETVAL=2
esac

exit $RETVAL
```

A network engineer must run a continuous capture on a port A script called "capture" is created to start and stop the capture task Which command sequence makes the capture persistent after a reboot?

- ☐ initctl add capture  
initctl init capture
- ☐ chkconfig --add capture  
chkconfig --level 3 capture
- ☐ systemctl enable capture  
systemctl start capture
- ☐ run bash /etc/init.d/capture  
run bash start-stop-daemon

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

**Answer: C**

#### NEW QUESTION 6

An engineer must configure a Cisco UCS domain for monitoring and management by the Cisco Intersight SaaS platform. After the setup is complete, administrators must have full control to configure the device through Cisco UCS Manager and Intersight. Which set of actions accomplishes this task?

- A. Configure Device Connector Access Mode as Allow Control in Device Console Claim the device on Intersight as UCSM Managed Mode.

- B. Configure Device Connector Access Mode as Allow Control in Cisco UCS Manager Claim the device on intersightc as Intersight Managed Mode
- C. Configure Device Connector Access Moao as Allow Control in Device Consol
- D. Claim the device on intersight as Intersight Managed Mode
- E. Configure Device Connector Access Mode as Allow Control in Cisco UCS Manager Claim the device on intersight as UCSM Managed Mode
- F. Option A
- G. Option B
- H. Option C
- I. Option D

**Answer:** C

#### NEW QUESTION 7

What is a recommended design choice in a topology for multipathing iSCSI traffic?

- A. single initiator to dual targets
- B. initiators and targets in separate subnets
- C. dual initiators to a single target with bonded interfaces
- D. two NICs bended together on the initiator

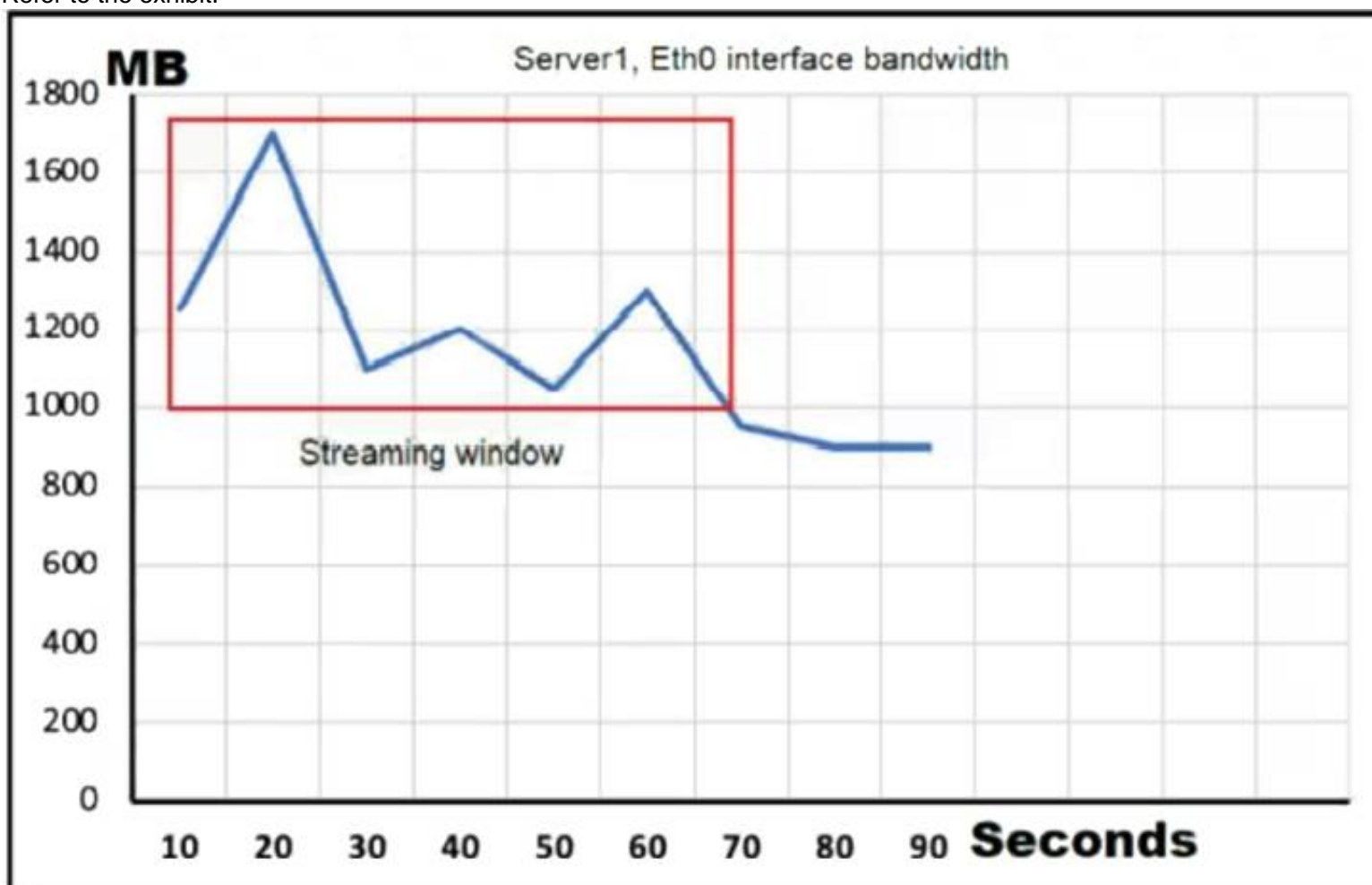
**Answer:** A

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4\\_2\\_1\\_s\\_v\\_1\\_5\\_1/system\\_management/configuration/guide/n1000v\\_system/n1000v\\_system\\_13iscsi.html#wp1052813](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4_2_1_s_v_1_5_1/system_management/configuration/guide/n1000v_system/n1000v_system_13iscsi.html#wp1052813)

#### NEW QUESTION 8

Refer to the exhibit.



Server1 is connected to a Cisco Nexus 9000 Series Switch via a 1-Gb port channel. The storm control is applied to the Eth0 device with a zero percent value. What does the switch do to traffic that traverses the switch interfaces during the streaming window that exceeds the bandwidth of the interfaces?

- A. forwards all traffic
- B. forwards half of the traffic
- C. suppresses all traffic
- D. drops all of the excess traffic

**Answer:** B

#### NEW QUESTION 9

An engineer is implementing an import operation in Cisco UCS Manager. What is the impact of performing this operation?

- A. A configuration can be imported from a higher release to a lower release.
- B. Information can be modified on the management plane only.
- C. Only a configuration file that was exported from the same Cisco UCS Manager can be imported.
- D. An import operation can be scheduled.

**Answer:** B

#### Explanation:

The import function is available for all configuration, system configuration, and logical configuration files. You can perform an import while the system is up and running. An import operation modifies information on the management plane only. Some modifications caused by an import operation, such as a change to a vNIC assigned to a server, can cause a server reboot or other operations that disrupt traffic.

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration)

#### NEW QUESTION 10

An engineer needs to Implement a solution that prevents loops from occurring accidentally by connecting a switch to interface Ethernet1/1. The port is designated to be used for host connectivity. What configuration should be implemented?

- ☐ switch# configure terminal  
switch(config)# interface Ethernet1/1  
switch(config-if)# spanning-tree guard loop
- ☐ switch# configure terminal  
switch(config)# interface Ethernet1/1  
switch(config-if)# spanning-tree bpdudfilter enable
- ☐ switch# configure terminal  
switch(config)# interface Ethernet1/1  
switch(config-if)# spanning-tree bpduguard enable
- ☐ switch# configure terminal  
switch(config)# interface Ethernet1/1  
switch(config-if)# spanning-tree loopguard default

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

**Answer:** C

#### NEW QUESTION 10

Which statement about the MAC address that the FCoE Initialization Protocol chooses for use by an E-Node in an FCoE implementation is true?

- A. The FCoE Initialization Protocol uses the burned-in MAC address of the converged network adapter for all FCoE operations.
- B. The FCoE Initialization protocol uses a 24-bit FC-MAP and concatenates a 24-bit Fibre Channel ID to create a fabric-provided MAC address.
- C. The FCoE Initialization Protocol uses 01.00.0C as the first 24 bits of the MAC address and appends a 24-bit Fibre Channel ID to derive a full 48-bit FCoE MAC address.
- D. FCoE does not use a MAC address
- E. The FCoE Initialization Protocol is used to acquire a Fibre Channel ID, and the address is used for all FCoE communications in the same way as Fibre Channel Protocol.

**Answer:** B

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data\\_Center/UF\\_FCoE\\_final.html#wp1154912](https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/UF_FCoE_final.html#wp1154912)

#### NEW QUESTION 13

Which two configuration settings are available in the Cisco UCS Firmware Auto Sync Server policy? (Choose two.)

- A. Immediate Action
- B. User Acknowledge
- C. No Action
- D. Delayed Action
- E. User Notification

**Answer:** BC

#### NEW QUESTION 14

Where does the witness VM reside in a Cisco Hyperflex Edge deployment?

- A. Windows application
- B. Hyper Rex Data Platform
- C. Cisco Intersight
- D. local HyperFlex datastore

**Answer:** C

#### NEW QUESTION 16

An engineer configures port security on a Cisco MDS 9000 Series Switch. The MDS switch configuration must meet these requirements

- The switch must inmate the VSAN 4 port security database despite any conflicts.
  - New devices must be statically added to the switch.
  - Configuration changes for VSAN 4 must be applied throughout the fabric with any lodes on the fabric released
- Which configuration set meets these requirements?



- ☐ port-security activate vsan 4  
no port-security auto-learn vsan 4  
port-security allocate  
port-security commit vsan 4
- ☐ port-security activate vsan 4  
port-security manual-learn vsan 4  
port-security allocate  
port-security commit
- ☐ port-security activate vsan 4 force  
port-security auto-learn vsan 4  
port-security distribute  
port-security commit
- ☐ port-security activate vsan 4 force  
no port-security auto-learn vsan 4  
port-security distribute  
port-security commit vsan 4

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

**Answer:** D

#### NEW QUESTION 21

A network engineer must SPAN only the ingress traffic of a Cisco MDS 9000 series switch from interface fc 1/23 to interface fc 1/24. Which two configuration must be applied to complete this task? (Choose two)



```

interface fc 1/24
-- output omitted --
no shutdown
span session 1
-- output omitted --
destination interface fc 1/24

```

- ☒ MDS-A(config-if)# switchport mode SD
- ☐ MDS-A(config-if)# switchport mode TL
- ☐ MDS-A(config-span)# source interface fc 1/23 rx
- ☐ MDS-A(config-span)# source interface fc 1/23
- ☐ MDS-A(config-span)# source interface fc 1/23 tx

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

**Answer:** AC

#### NEW QUESTION 25

A storage array must be connected to port ethernet1/10 on a Cisco MDS 9000 Series Switch. In addition, the array must connect using the FCoE protocol and be single-homed. Which configuration meets these requirements?

- ☒ **vlan database**  
vlan 101 fcoe  
vsan 101 enable  
interface vfc 10 vsan 101
- interface vfc 10**  
switchport mode fcoe  
switchport access vlan 101  
bind interface ethernet1/10
- ☒ **vlan database**  
vlan 101 vsan  
vsan 101 fcoe  
vsan 101 interface vfc 10
- interface ethernet1/10**  
switchport mode trunk  
bind interface vfc 10  
fcoe vsan 101
- ☐ **vsan database**  
vlan 101  
vsan 101  
fcoe vsan 101 interface vfc 10
- interface 1/10**  
switchport mode e  
fcoe vfc 10
- ☐ **interface vfc 10**  
switchport mode f  
bind interface ethernet 1/10
- vsan database**  
vsan 101  
vlan 101  
fcoe vsan 101  
vsan 101 interface vfc 10

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

**Answer:** D

#### NEW QUESTION 27

A network engineer is deploying a cisco ALL-flash hyperflex solution. Which local storage configuration is required for the operating system and persistent logging?

- A. Two solid state drives  
B. Two SATA drives  
C. One SATA drive  
D. One solid state drive

**Answer:** D

#### NEW QUESTION 31

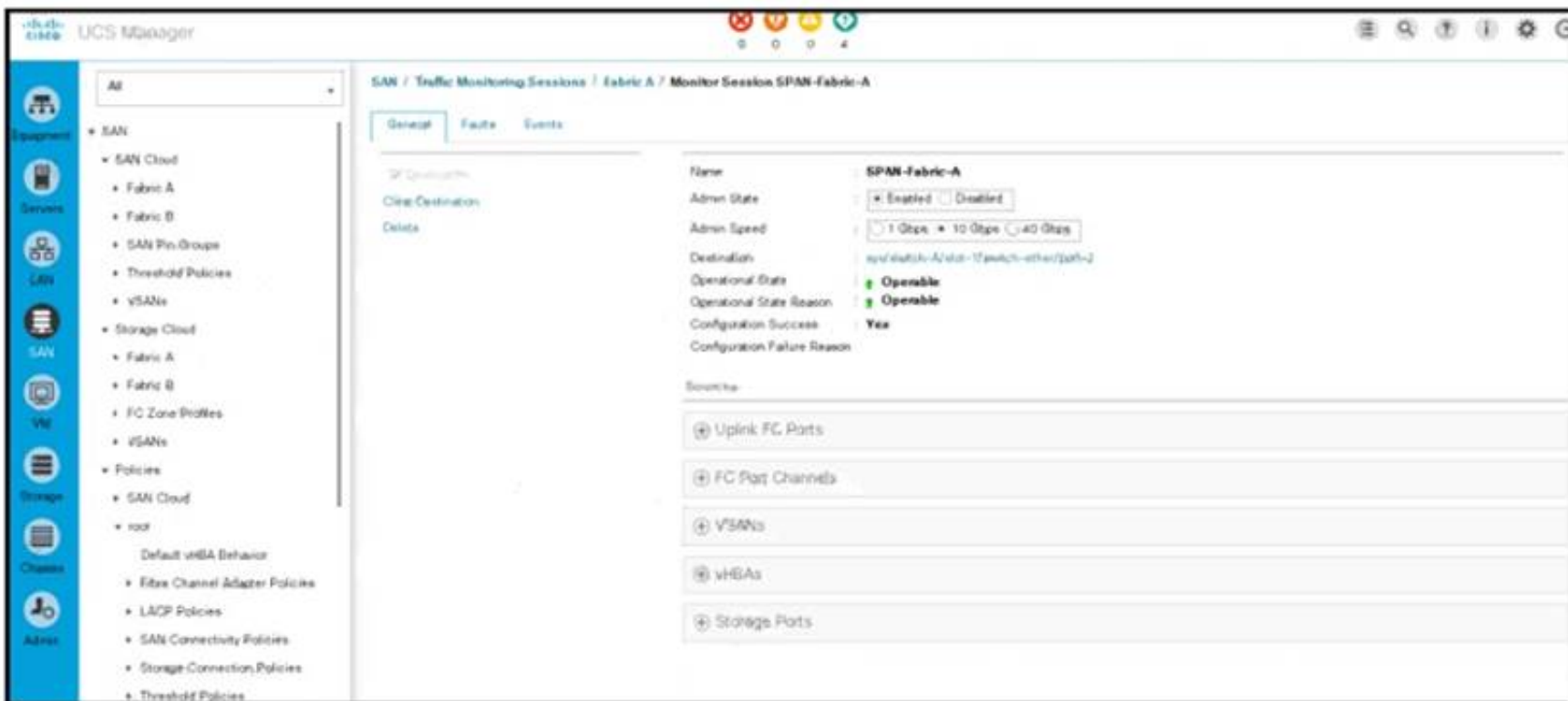
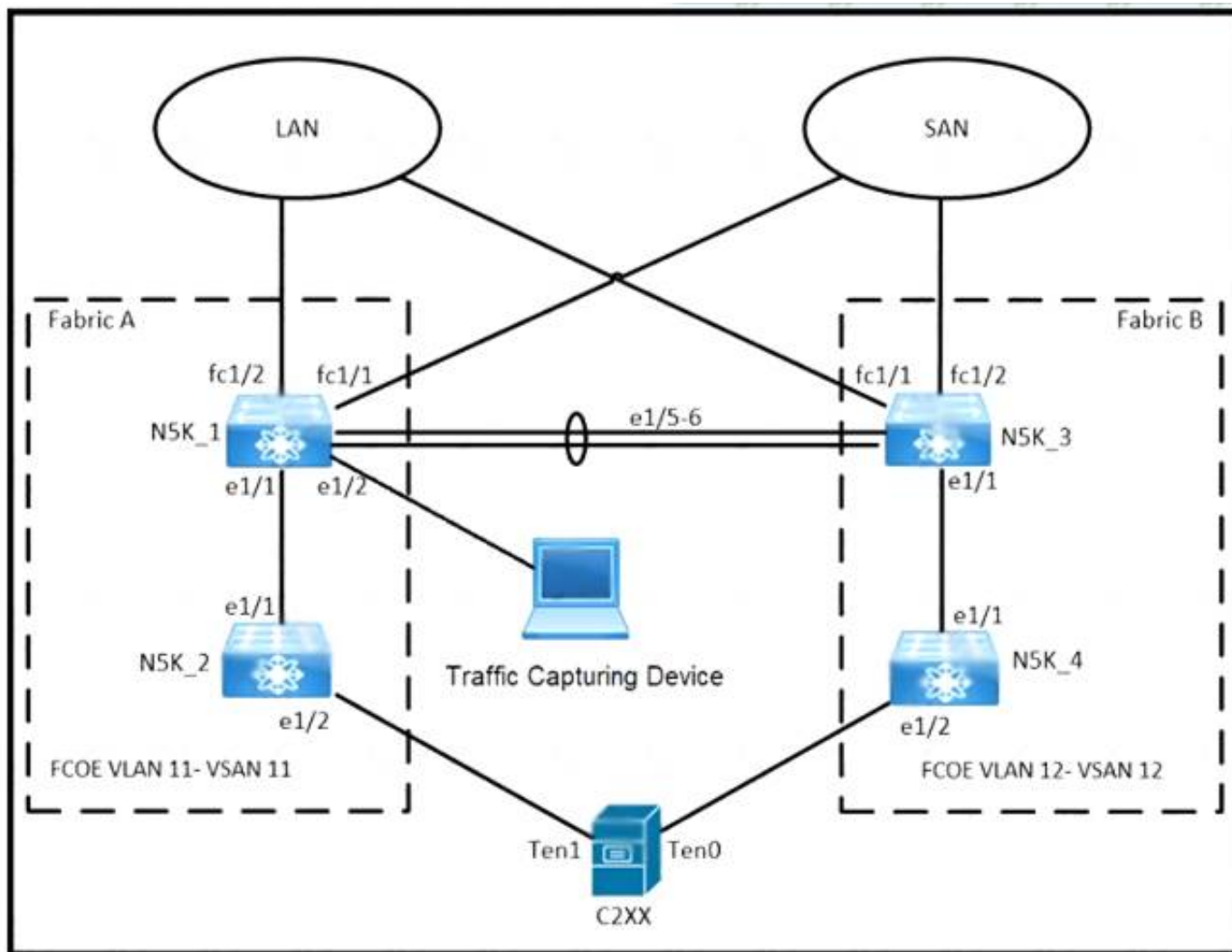
Which component is upgraded by using an EPLD upgrade on a Cisco Nexus 9000 Series Switch?

- A. dual-homed fabric extenders  
B. BIOS  
C. field-programmable gate arrays  
D. ISSU of the NX-OS version

**Answer:** C

#### NEW QUESTION 35

Refer to the exhibits



An engineer must implement a SPAN session that sends a copy of all VLAN 11 traffic on N5K\_1 to the Traffic Capturing Device. The configuration that is presented is already applied to the Cisco UCS Manager. Which additional action meets the objective'?

- A. Assign the VLAN to the monitored port.
- B. Choose VLAN 11 under the VSANs section.
- C. Select the Clear Destination feature.
- D. Create a LAN traffic monitoring session.

**Answer: B**

### NEW QUESTION 39

A network engineer plans to upgrade the firmware of a Cisco UCS B-Series chassis by using the Auto Install feature. Which component is upgraded during the infrastructure firmware upgrade stage?

- A. Cisco IMC
- B. Adapter
- C. I/O module
- D. BIOS

**Answer: C**

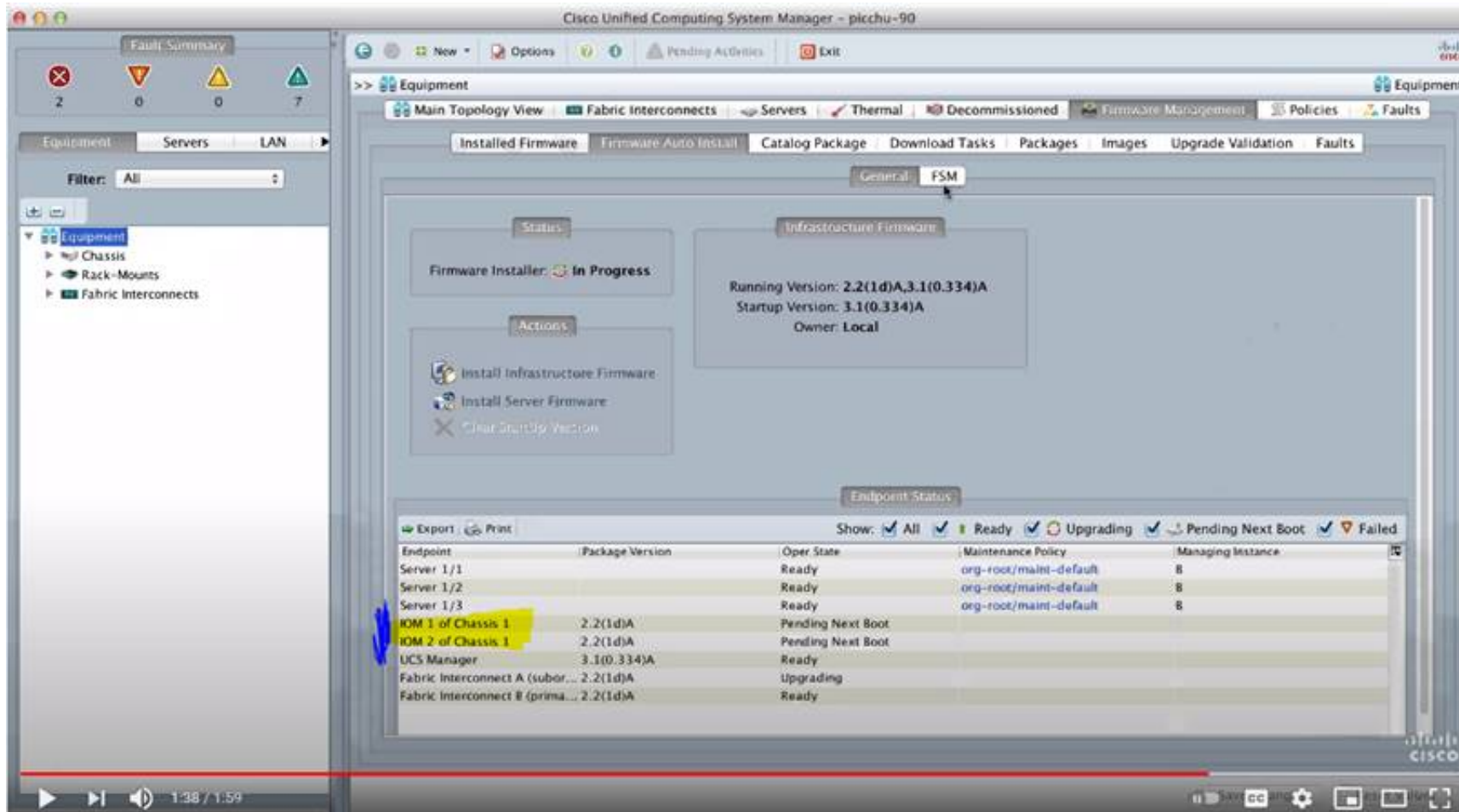
### Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/) <https://www.youtube.com/watch?v=g-4OgYigvRI>



## Direct Upgrade After Auto Install

During Auto Install, the startup version of the default infrastructure pack is configured. To **successfully complete a direct upgrade or activation of Cisco UCS Manager, Fabric Interconnects, and IOMs after Auto Install**, ensure that the startup version is cleared before starting direct upgrade or activation. If the startup version of the default infrastructure pack is configured, you cannot directly upgrade or activate Cisco UCS Manager, Fabric Interconnects, and IOMs. , provides detailed steps for clearing the startup version.



### NEW QUESTION 42

A network engineer needs to configure system logging on the MDS switch. The messages must be displayed with the severity level of "warning" and above. For security reasons the users must be logged out of the console after 5 minutes of inactivity Which configuration must be applied to meet these requirements?

- ☐ MDS-A(config)# logging console 5  
MDS-A(config-console)# exec-timeout 300
- ☒ MDS-A(config)# line console  
MDS-A(config-console)# speed 38400  
MDS-A(config-console)# exec-timeout 5  
MDS-A(config)# logging console 4
- ☐ MDS-A(config)# console  
MDS-A(config-console)# speed 38400  
MDS-A(config-console)# session-limit 5  
MDS-A(config)# logging console 5
- ☐ MDS-A(config)# logging line 4  
MDS-A(config-console)# session-limit 300

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

**Answer: B**

**Explanation:**

## DETAILED STEPS

	Command or Action	Purpose
Step 1	<b>configure terminal</b> <b>Example:</b> switch# configure terminal switch(config)#	Enters global configuration mode.
Step 2	<b>line console</b> <b>Example:</b> switch# line console switch(config-console)#	Enters console configuration mode.
Step 3	<b>databits</b> <i>bits</i> <b>Example:</b> switch(config-console)# databits 7	Configures the number of data bits per byte. The range is from 5 to 8. The default is 8.
Step 4	<b>exec-timeout</b> <i>minutes</i> <b>Example:</b> switch(config-console)# exec-timeout 30	Configures the timeout for an inactive session. The range is from 0 to 525600 minutes (8760 hours). A value of 0 minutes disables the session timeout. The default is 30 minutes.

### NEW QUESTION 43

An engineer must configure a Cisco UCS blade system that is managed by Cisco UCS Manager. All four connected interfaces between the blade system and the fabric interconnects must be used. Additionally, the connectivity must tolerate any link failure between the I/O module and the fabric interconnects. Which action accomplishes these requirements?

- A. Configure port aggregation with LACP policy set to default
- B. Configure Firmware Auto Sync Server policy to Auto Acknowledge
- C. Configure Link Group Preference to Port Channel.
- D. Configure chassis/FEX discovery pokey action to four links

**Answer:** D

### NEW QUESTION 47

An engineer must configure RBAC in Cisco UCS Manager in an existing data center environment. Which two roles can be used to configure LAN Connectivity policies? (Choose two.)

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

**Answer:** AC

#### Explanation:

[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/3-2/UCSM-Privileges-3\\_2/UCSM-Privileges-3\\_2\\_chapter\\_01.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucsm_privileges/3-2/UCSM-Privileges-3_2/UCSM-Privileges-3_2_chapter_01.html)

### NEW QUESTION 50

The engineer must configure SPAN on a cisco Nexus 5000 Series switch to get a capture of the traffic from these applications for an in-depth packet analysis. Which two characteristics must be considered? (Choose two.)

- A. The Ethernet, FC, vFC, port channel, SAN port channel can be used as SPAN source ports.
- B. The rx/tx option is available for VLAN or VSAN SPAN sessions.
- C. SPAN source port can be monitored in multiple SPAN sessions.
- D. Only Ethernet, FC, vFC, port channel port types can be a destination SPAN port.
- E. A SPAN source port cannot be a destination SPAN port.

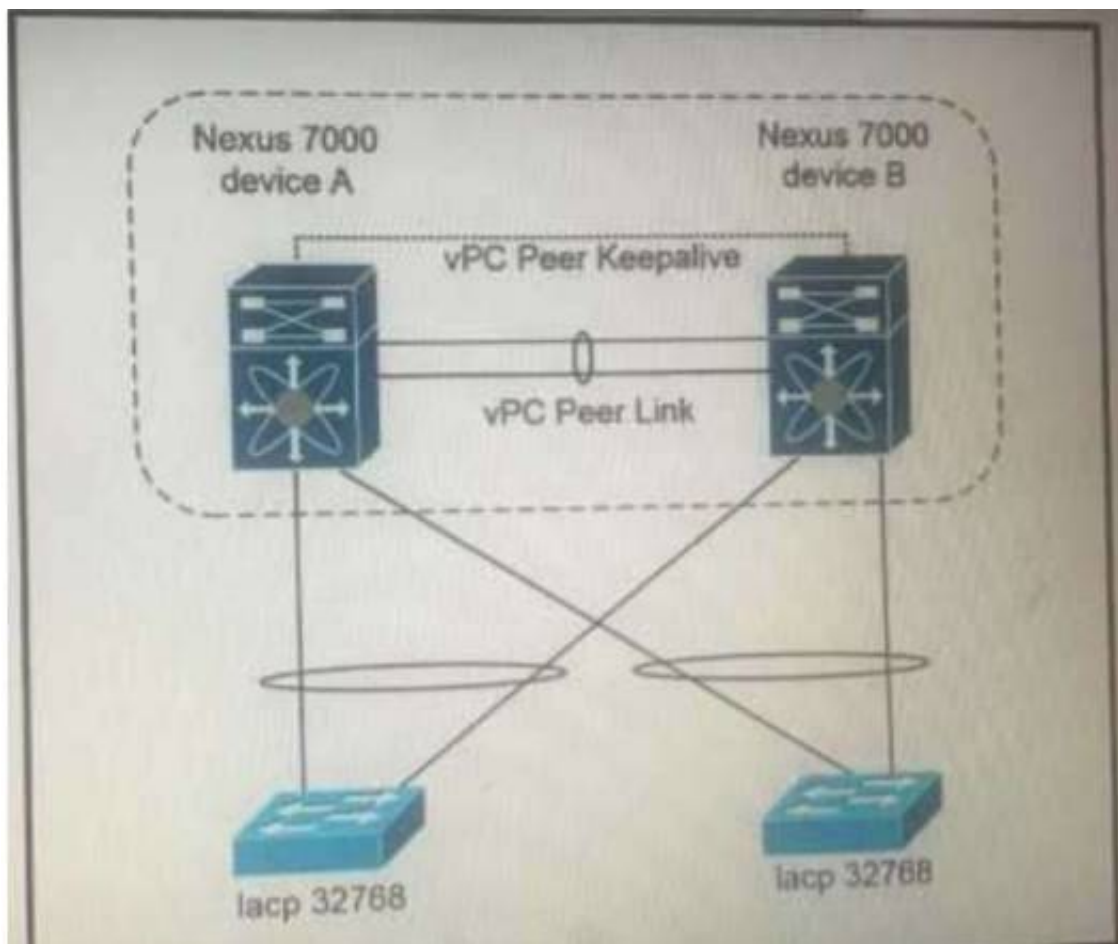
**Answer:** AE

#### Explanation:

[https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli\\_rel\\_4\\_1/Cisco\\_N](https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli_rel_4_1/Cisco_N)

### NEW QUESTION 51

Refer to the exhibit.



Which configuration ensure that the cisco Nexus 7000 series switches are the primary devices for LACP?

- A. `N7K_A(config-vpc-domain)# system-priority 4000`  
`N7K_B(config-vpc-domain)# system-priority 4000`
- B. `N7K_A(config-vpc-domain)# system-priority 100`  
`N7K_B(config-vpc-domain)# system-priority 200`
- C. `N7K_A(config-vpc-domain)# system-priority 32768`  
`N7K_B(config-vpc-domain)# system-priority 32768`
- D. `N7K_A(config-vpc-domain)# role priority 1`  
`N7K_B(config-vpc-domain)# role priority 2`

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

**Answer: C**

#### NEW QUESTION 52

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:

- vNIC and vHBA profiles
- 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

**Answer: AD**

#### NEW QUESTION 57

A network engineer must perform a backup and restore of the Cisco Nexus 5000 Series Switch configuration. The backup must be made to an external backup server. The only protocol permitted between the Cisco Nexus switch and the backup server is UDP. The backup must be used when the current working configuration of the switch gets corrupted. Which set of steps must be taken to meet these requirements?

- A. \* 1 Perform a startup-config backup to an FTP server.\* 2 Copy startup-config in the boot flash to the running-config file
- B. \* 1 Perform a running-config backup to an SFTP server\* 2 Copy backup-config from the SFTP server to the running-config file
- C. \* 1 Perform a running-config backup to an SCP server\* 2 Copy running-config in the boot flash to the running-config file
- D. \* 1 Perform a startup-config backup to a TFTP server\* 2 Copy backup-config from the backup server to the running-config file

**Answer: D**

**Explanation:**



TFTP is the only protocol that uses UDP. FTP, SFTP, and SCP use TCP.

#### NEW QUESTION 59

Which two actions must be taken to directly connect a Fibre Channel storage array to a Cisco UCS domain? (Choose two.)

- A. Configure a new VSAN
- B. Create a new vHBA dedicated to the storage array
- C. Configure a Fibre Channel port channel
- D. Create a Storage Connection Policy
- E. Configure the Fibre Channel poet as a Fibre Channel storage port

**Answer:** AE

#### NEW QUESTION 64

Refer to the exhibit.

The screenshot shows the 'Monitor Session test-span' configuration page in the Cisco UCS GUI. The 'General' tab is selected. On the left, there are three actions: 'Set Destination', 'Clear Destination', and 'Delete'. On the right, the 'Properties' section shows the following configuration:

- Name: test-span
- Admin State: ☒ Enabled ☐ Disabled
- Destination: sys/switch-A/slot-1/switch-ether/port-17
- Admin Speed: ☐ 1 Gbps ☒ 10 Gbps ☐ 40 Gbps
- Operational State: Down
- Operational State Reason: No Sources Configured
- Configuration Success: Yes
- Configuration Failure Reason:

At the bottom, there is a section for 'Sources' which is currently empty.

An engineer must monitor all LAN traffic on Fabric A from a blade server. Which source should be configured in the test-span monitor session to complete this task?

- A. all vHBAs from the service profile that correspond to this server
- B. all uplink FCoE ports
- C. all uplink Ethernet ports
- D. all vNICs from the service profile that correspond to this server

**Answer:** D

#### Explanation:

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration)

##### Guidelines and Recommendations for Traffic Monitoring

When configuring or activating traffic monitoring, consider the following guidelines:

- You can create and store up to 16 traffic monitoring sessions, but only two can be active at the same time.
- A traffic monitoring session is disabled by default when created. To begin monitoring traffic, you must activate the session.
- To monitor traffic from a server, add all vNICs from the service profile corresponding to the server.
- To monitor traffic from a VM, you must first determine the identity of the dynamic vNIC assigned to the VM. Follow the procedure in to find the vNIC and view its identity properties, then add the vNIC as a source for the monitoring session. If you later move the VM using VMotion, a new dynamic vNIC is assigned and you must reconfigure the monitoring source.

##### Viewing Dynamic vNIC Properties in a VM

- You can monitor Fibre Channel traffic using either a Fibre Channel traffic analyzer or an Ethernet traffic analyzer. When Fibre Channel traffic is monitored using an Ethernet traffic monitoring session, with an Ethernet destination port, the destination traffic will be FCoE.
- Because a traffic monitoring destination is a single physical port, a traffic monitoring session can monitor only a single fabric. To monitor uninterrupted vNIC traffic across a fabric failover, you must create two sessions—one per fabric—and connect two analyzers. Add the vNIC as the traffic source for both sessions.
- All traffic sources must be located within the same switch as the destination port.
- A port configured as a destination port cannot also be configured as a source port.
- A member port of a port channel cannot be configured individually as a source. If the port channel is configured as a source, all member ports are source ports.

#### NEW QUESTION 67

An engineer is configuring AAA authentication on an MDS 9000 switch. The LDAP server is located under the IP 10.10.2.2. The data sent to the LDAP server should be encrypted. Which command should be used to meet these requirements?

- A. ldap-server host 10.10.2.2 enable-ssl

- B. Idap-server 10.10.2.2 port 443
- C. Idap server host 10.10.2.2 key SSL\_KEY
- D. Idap-server 10.10.2.2 key SSL\_KEY

**Answer:** A

#### NEW QUESTION 69

Port security is statically configured on a Cisco Nexus 7700 Series switch and F3 line card. The switch is configured with an Advanced Services license. Which two actions delete secured MAC addresses from the interface? (Choose Two)

- A. The address must be removed from the configuration.
- B. The address must reach the age limit that is configured for the interface.
- C. The interface must be converted to a routed port.
- D. The device must be restarted manually.
- E. Shutdown and then no shutdown must be run on the interface.

**Answer:** AC

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6\\_x/nx-os/security/configuration/guide/b\\_Cisco\\_Static\\_Method](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6_x/nx-os/security/configuration/guide/b_Cisco_Static_Method)

The static learning method allows you to manually add or remove secure MAC addresses to the running configuration of an interface. If you copy the running configuration to the startup configuration, static secure MAC addresses are unaffected if the device restarts.

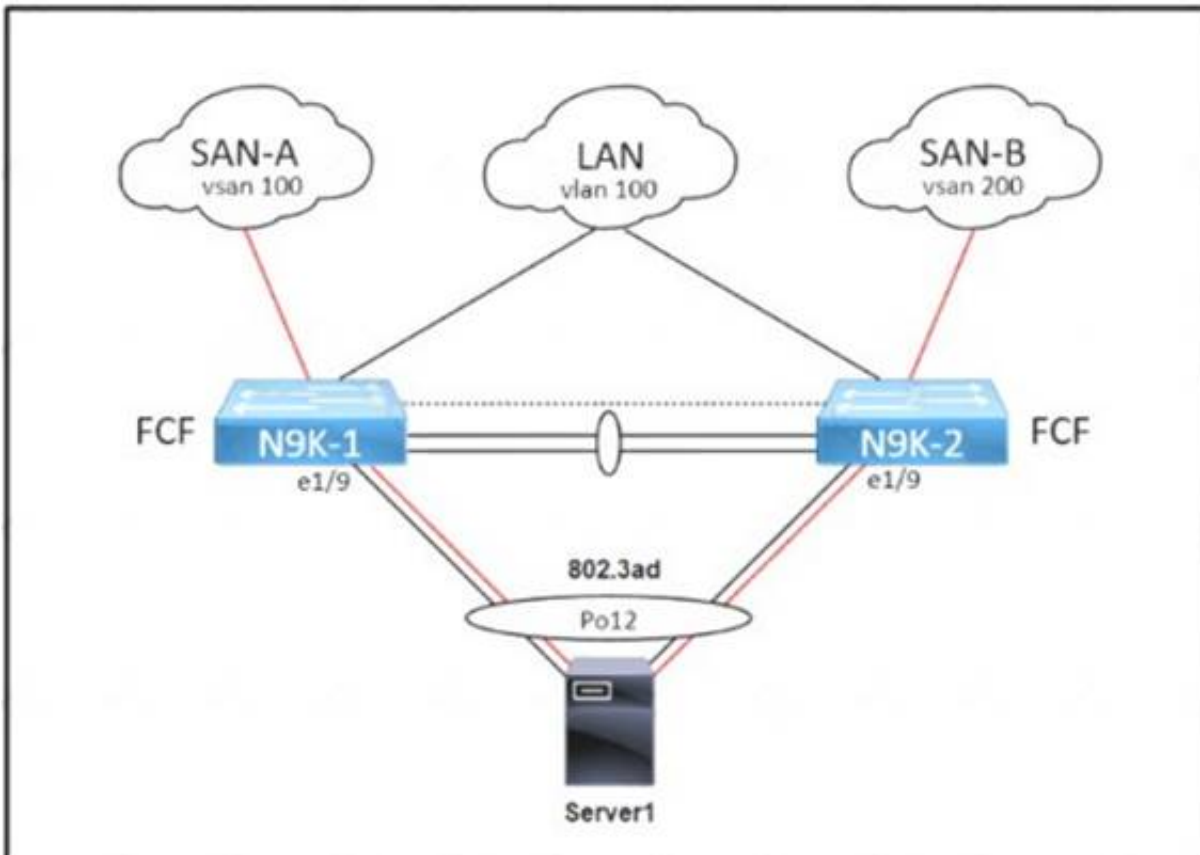
A static secure MAC address entry remains in the configuration of an interface until one of the following events occurs:

- You explicitly remove the address from the configuration.
- You configure the interface to act as a Layer 3 interface.

Adding secure addresses by the static method is not affected by whether dynamic or sticky address learning is enabled.

#### NEW QUESTION 71

Refer to the exhibit.



An administrator must complete the unified fabric configuration between Server1 and a pair of Cisco Nexus 9000 Series Switches Drag and drop the code snippets from the right onto the blanks in the code on the left to complete the N9K-1 configuration Snippets are used more than once.

```

service-policy type qos input default-fcoe-in-policy
int [ ]
  switchport trunk allowed [ ] 1, 100
int [ ]
  bind interface [ ]
  no shut
        
```

vlan

vfc 1

pol2

- A. Mastered
- B. Not Mastered

**Answer:** A



**Explanation:**

Po12  
Vlan Vfc1 Po12

**NEW QUESTION 72**

An engineer is implementing the Cisco ACI fabric and wants to reduce the amount of TCAM resources consumed by the fabric. The engineer also needs to ensure that all EPGs in a VRF consume the same services. Which action should be taken to meet these requirements?

- A. Configure a single contract provided and consumed in all EPGs
- B. Configure preferred groups in the VRF for all EPGs
- C. Implement an unenforced VRF
- D. Implement vzAny feature

**Answer:** A

**NEW QUESTION 74**

An engineer must send JSON encoded telemetry data to an external collector. The transport mechanism must prevent tampering or forgery of the data. Which protocol accomplishes this goal?

- A. GPB
- B. HTTP
- C. gRPC
- D. DTLS

**Answer:** B

**NEW QUESTION 75**

An engineer must configure a VXLAN routing on a Cisco Nexus 9000 series Switch. The engineer requires a solution where all the leaf switches have the same gateway MAC and IP address. Which configuration set accomplishes this task?

A)  
NX9K(config)# fabric forwarding anycast-gateway-mac AA:BB:AA:BB:AA:BB  
NX9K(config)# interface VLAN-interface-name  
NX9K(config-if)# fabric forwarding mode anycast-gateway

B)  
NX9K(config)# fabric forwarding anycast-gateway-mac AA:BB:AA:BB:AA:BB  
NX9K(config)# interface VLAN-interface-name  
NX9K(config-if)# vrf member vrf-name  
NX9K(config-if)# fabric forwarding mode anycast-gateway

C)  
NX9K(config)# install feature-set fabric  
NX9K(config)# feature-set fabric  
NX9K(config)# fabric forwarding anycast-gateway-mac AA:BB:AA:BB:AA:BB  
NX9K(config)# interface VLAN-interface-name  
NX9K(config-if)# vrf member vrf-name  
NX9K(config-if)# fabric forwarding mode anycast-gateway

D)  
NX9K(config)# install feature-set fabric  
NX9K(config)# feature-set fabric  
NX9K(config)# fabric forwarding anycast-gateway-mac AA:BB:AA:BB:AA:BB  
NX9K(config)# interface VLAN-interface-name  
NX9K(config-if)# fabric forwarding mode anycast-gateway

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

**Answer:** C

**NEW QUESTION 80**

In an FCoE environment, for which two sets of data must an interface that implements the PAUSE mechanism always provision sufficient ingress buffer? (Choose two)

- A. frames that were sent with high credit
- B. frames that were processed and transmitted by the transmitter before the PAUSE frame left the sender
- C. frames that were sent on the link but not yet received.
- D. frames that were sent on the link and received.
- E. frames that were processed and transmitted by the transmitter after the PAUSE frame left the sender.

**Answer:** BC

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/fcoe/config/cisco\\_nexus7000\\_fcoe\\_config\\_guide\\_8x/configuring\\_fcoe.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/fcoe/config/cisco_nexus7000_fcoe_config_guide_8x/configuring_fcoe.html)

### NEW QUESTION 82

Drag and drop the technologies from the left onto the description on the right.

NFSv2	uses client machine authentication
Kerberos	uses users authentication
NFSv4	authenticates clients and servers in NFSv4
RADIUS	authenticates clients to corporate directory systems

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
NFSv2 NFSv4  
Kerberos RADIUS

### NEW QUESTION 86

An engineer upgrades the bash on the Cisco Nexus 9000 Series Switch.

```
guestshell:~$ sudo [MISSING_COMMAND] /bootflash/bash-4.2_8642092948678a-r8x86_64.rpm.rpm
Preparing...
##### [100%]
1:bash ##### [100%]
update-alternatives: Linking //bin/sh to /bin/bash
```

Which command must be sed to complete the task?

- A. rpm -qa
- B. rpm -Uhv
- C. upgrade -U
- D. update -vh

**Answer:** B

### NEW QUESTION 91

Where is the witness deployed in a two-node Cisco HyperFlex Edge deployment?

- A. to the HyperFlex Edge two-node cluster
- B. to an additional server with network access to HyperFlex Edge
- C. to a third-party cloud provider
- D. to Cisco Intersight

**Answer:** D

### Explanation:

The Cisco HyperFlex Edge invisible cloud witness is only required for 2-node HX Edge deployments. correct, it has to connect to Intersight as it is a CLOUD invisible witness as per the document shared: The Cisco HyperFlexEdge invisiblecloud witnessis only requiredfor 2-nodeHX Edge deployments. The witness does not require any additional infrastructure, setup, configuration, backup, patching ,or management of any kind. This feature is automatically configured as part of a 2-node Hyper Flex Edge installation. Outbound access at the remote site must be present for connectivity to Intersight (eitherIntersight.com or to the Intersight Virtual Appliance). HyperFlexEdge 2-nodeclusters cannot operate without this connectivity in place  
[https://www.cisco.com/c/en/us/td/docs/hyperconverged\\_systems/HyperFlex\\_HX\\_DataPlatformSoftware/Edge\\_Deployment\\_Guide/b\\_HyperFlex\\_Edge\\_Deployment\\_Guide\\_4\\_0.pdf](https://www.cisco.com/c/en/us/td/docs/hyperconverged_systems/HyperFlex_HX_DataPlatformSoftware/Edge_Deployment_Guide/b_HyperFlex_Edge_Deployment_Guide_4_0.pdf)

### NEW QUESTION 96

When deploying a Cisco HyperFlex edge with a pair of switches, what is the minimum number of interfaces in trunk mode required on each HX node?

- A. 1
- B. 2
- C. 4
- D. 6

**Answer:** B

### NEW QUESTION 99

Refer to the exhibit.

```
CISCO-UCS-A# scope org /
CISCO-UCS-A /org* # create service-profile Cisc01 instance
CISCO-UCS-A /org/service-profile* # set bios-policy bios1
CISCO-UCS-A /org/service-profile* # set boot-policy boot1
CISCO-UCS-A /org/service-profile* # set ext-mgmt-ip-state none
CISCO-UCS-A /org/service-profile* # set host-fw-policy ipmi-user987
CISCO-UCS-A /org/service-profile* # set identity dynamic-uuid derived
CISCO-UCS-A /org/service-profile* # set ipmi-access-profile ipmi1
CISCO-UCS-A /org/service-profile* # set local-disk-policy local1
CISCO-UCS-A /org/service-profile* # set maint-policy maint1
CISCO-UCS-A /org/service-profile* # set mgmt-fw-policy mgmt1
CISCO-UCS-A /org/service-profile* # set power-control-policy power1
CISCO-UCS-A /org/service-profile* # set scrub-policy scrub1
CISCO-UCS-A /org/service-profile* # set sol-policy sol1
CISCO-UCS-A /org/service-profile* # set stats-policy stats1
CISCO-UCS-A /org/service-profile* # set user-label Cisco
CISCO-UCS-A /org/service-profile* # vcon-policy vconnpolicy
CISCO-UCS-A /org/service-profile* # commit-buffer
CISCO-UCS-A /org/service-profile #
```

What is a characteristic presented in the service profile of the UUID?

- A. based on the hardware
- B. vendor assigned
- C. unique system generated
- D. allocated from a UUID pool

**Answer:** A

**Explanation:**

there is no parameter for 'set identity dynamic-uuid' to specify a pool name - you can only state "derived" or a 32 hex character string (128-bits, therefore full UUID).

ucspe /org/service-profile # set identity dynamic-uuid derived Derived  
 FFFFFFFF-FFFF-FFFF-FFFF-FFFFFFFFFFFFFF Dynamic UUID

The documentation, as usual for Cisco, is poor. Shagua references old v1.4.1 documentation but it's the same in 4.1. It's inaccurate as uuid-pool should now read uuid-suffix-pool. You can use UCSPE to check the CLI with contextual help.

ucspe /org/service-profile # set identity dynamic-uuid Dynamic UUID dynamic-wwnn Dynamic WWNN uuid-suffix-pool UUID Suffix Pool wwnn-pool WWNN Pool  
 If set identity dynamic-uuid only gives us the option of a static UUID or the parameter "derived", and set identity uuid-suffix-pool is the option to assign a pool... I would suggest that the most logical answer here is

- derived from the hardware. [https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/cli/config/guide/1.4.1/CLI\\_Config\\_Guide\\_1\\_4\\_1](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1)

**NEW QUESTION 103**

Multiple roles are applied to a user on the Cisco MDS 9000 Series Switch. Which statement is true?

- A. Any commands that have conflicting settings between roles are denied.
- B. Access to a command takes priority over being denied access to a command.
- C. The first role assigned takes precedence over subsequent roles.
- D. The last role assigned takes precedence over previous roles.

**Answer:** B

**Explanation:**

Graphical user interface, text, application Description automatically generated



**Note** If you belong to **multiple roles**, you can execute a union of all the commands permitted by these roles. Access to a command takes priority over being **denied access** to a command. For example, suppose you belong to a TechDocs group and you were denied access to configuration commands. However, you also belong to the engineering group and have access to configuration commands. In this case, you will have access to configuration commands.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5\\_0/configuration/guides/sec/nxos/sec/clcfigur.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/sec/nxos/sec/clcfigur.html)  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8\\_x/config/security/cisco\\_mds9000\\_security\\_config\\_guide\\_8x/configuring\\_users\\_and\\_common\\_roles.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/security/cisco_mds9000_security_config_guide_8x/configuring_users_and_common_roles.html)

**NEW QUESTION 104**

What occurs when running the command install deactivate <filename> while a software maintenance upgrade is performed on a Cisco Nexus 9000 Series switch?

- A. The current set of packages is committed.
- B. The package is removed from the switch.
- C. The package features for the line card are disabled.
- D. The current upgrade stops.

**Answer:** C



### NEW QUESTION 108

Drag and drop the network assurance concepts from the left onto the corresponding benefits on the right.

Cisco Tetration	allows close to real-time data monitoring
Data Management Engine	confirms that the network operates consistently with business requirements
Cisco Network Assurance Engine	offers overall protection and enables analysis of the network in real time to identify security incidents faster
Streaming Telemetry	allows the characteristics to be presented as object properties

- A. Mastered  
 B. Not Mastered

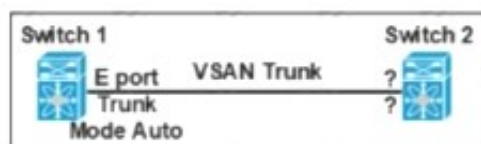
**Answer:** A

#### Explanation:

Diagram Description automatically generated

### NEW QUESTION 111

Refer to the exhibit.



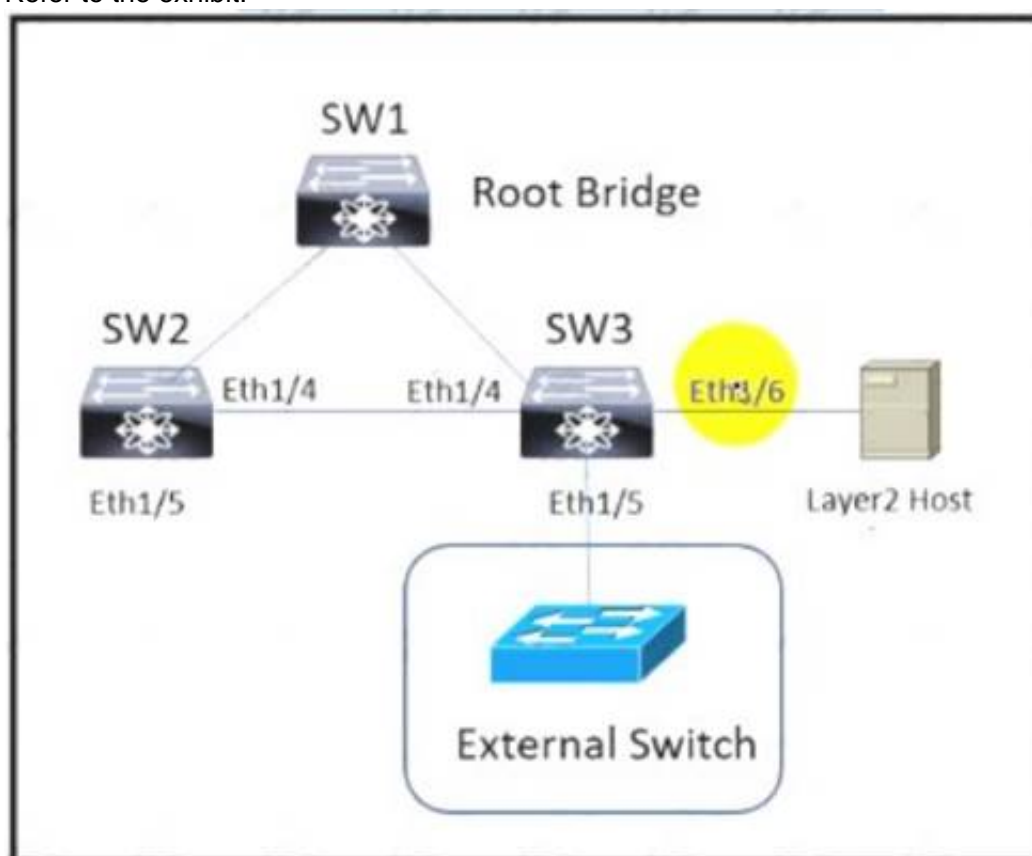
Which feature must be used to configure on switch 2 to establish a VSAN trunk between switch 1 and switch 2?

- A. F portTrunk Mode Passive  
 B. E PortTrunk Mode On  
 C. N PortTrunk Mode Active  
 D. NP PortTrunk Mode Auto

**Answer:** B

### NEW QUESTION 116

Refer to the exhibit.



The Cisco Nexus Series Switches SW1, SW2, and SW3 are connected via Layer 2 copper interfaces. An engineer implements loop prevention standard IEEE 802.1w on each VLAN to provide faster recovery from network changes or failures. The Implementation has these requirements

- Interfaces that are connected to Layer 2 hosts must not receive STP BPDUs.
- The implementation must detect unidirectional links due to one-way traffic twisted-pair links
- Bridge assurance must be enabled between SW2 and SW3
- The Layer 2 domain must be protected from superior BPDUs that arrive from external switches.

Drag and drop the code snippets from the right onto the blanks in the code on the left to complete the configuration for SW3. Not all code snippets are used.

```

1 SW3 configuration
interface ethernet 1/4
  spanning-tree port type 
  udid 
interface ethernet 1/5
  spanning-tree guard 
interface ethernet 1/6
  spanning-tree port type 

```

edge

aggressive

normal

network

root

bpdu

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Network Aggressive Bpdu  
 edge

#### NEW QUESTION 119

A network engineer configures a converged network adapter (CNA) and must associate a virtual fiber Channel 7 interface to VSAN 7. The CNA connected to the interface Eth1/7, and VLAN 700 is mapped to the VSNA. Which configuration must be applied to create the virtual Fiber Channel interface and associate it with the Ethernet physical interface?

A)

```

switch(config)# vlan 700
switch(config-vlan)# fcoe vsan 7

```

B)

```

switch(config)# vsan database
switch(config-vsan)# vsan 7 interface vfc 7

```

C)

```

switch(config)# interface ethernet 1/7
switch(config-if)# vfc 7 attach vlan 1,700

```

D)

```

switch(config)# interface vfc 7
switch(config-if)# bind interface ethernet 1/7

```

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

**Answer: D**

#### NEW QUESTION 121

Refer to the exhibit.

```

1  . /etc/init.d/functions
2  exec="/usr/bin/chef-client"
3  prog="chef-client"
4  [ -e /etc/sysconfig/$prog ] && . /etc/sysconfig/$prog
5  config=${CONFIG:-/etc/chef/client.rb}
6  pidfile=${PIDFILE:-/var/run/chef/client.pid}
7  reload() {
8  echo -n $"Reloading $prog: "
9  [ -n "$?" ] && {
10     retval=$?
11     echo
12     return $retval
13   }
14   case "$1" in
15     reload)
16       rh_status_q || exit 7
17       ;;
18     *)
19       exit 2
20     esac
21   exit $?

```

A developer must create a Bash script that performs a Chef Client reload in the event of a system reset. Which command completes the script?



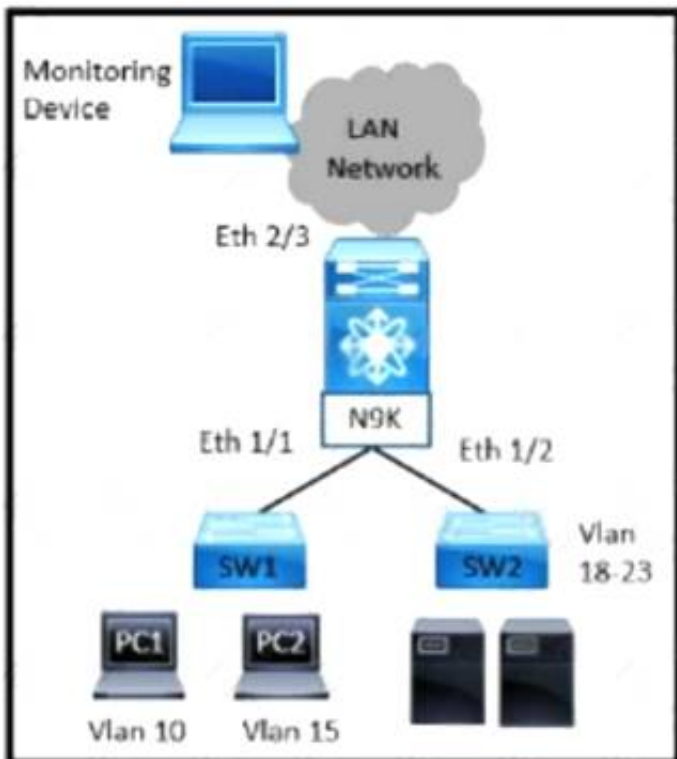
- ☐ killproc -n \$pidfile \$exec -SIGHUP
- ☐ killproc -pi \$pidfile \$exec -HUP
- ☐ killproc -n \$pidfile \$exec -HUP
- ☐ killproc -p \$pidfile \$exec -HUP

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

**Answer: D**

#### NEW QUESTION 122

Refer to the exhibit



A network administrator experiences these issues with the network:

- > PC1 is experiencing a buffering problem for video applications
- > The servers that are connected to SW2 are experiencing packet drops when they connect to the Internet

The engineer wants to configure the required traffic capture to investigate the issue further Which configuration must be implemented to monitor the traffic?

- ☐ N9K(config)# monitor session 5 rx  
N9K(config)# monitor session 5 tx  
N9K(config-monitor)# description Span\_session\_5  
N9K(config-monitor)# source interface ethernet 1/1  
N9K(config-monitor)# source interface ethernet 1/2  
N9K(config-monitor)# destination interface ethernet 2/3
- ☐ N9K(config)# monitor session 5 tx  
N9K(config-monitor)# description Span\_session\_5  
N9K(config-monitor)# source interface ethernet 1/1  
N9K(config-monitor)# source interface ethernet 1/2  
N9K(config-monitor)# destination interface ethernet 2/3
- ☐ N9K(config)# monitor session 5 tx  
N9K(config-monitor)# description Span\_session\_5  
N9K(config-monitor)# source vlan 10-15 rx  
N9K(config-monitor)# source interface ethernet 1/2  
N9K(config-monitor)# destination interface ethernet 2/3
- ☒ N9K(config)# monitor session 5 rx  
N9K(config-monitor)# description Span\_session\_5  
N9K(config-monitor)# source vlan 10 rx  
N9K(config-monitor)# source interface ethernet 1/2  
N9K(config-monitor)# destination interface ethernet 2/3

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

**NEW QUESTION 123**

- A. Configure the fabric interconnect in FC switch mode
- B. Create a storage connection policy
- C. Set FC zoning to disabled when creating the VSAN
- D. Configure the fabric interconnect in end host mode
- E. Create the required VSAN in the SAN cloud

**Answer: AC**

## NEW QUESTION 125

- A. Configure a route map to associate the IPs of the remote VTEPs.
- B. Create an IP access list and associate it with VNI to replicate traffic to remote VTEPs.
- C. Announce host reachability over BGP.
- D. Implement BGP EVPN ingress replication.

**Answer: D**

**NEW QUESTION 130**

```
N5K-1(config)#interface fc2/3
N5K-1(config-if)#switchport mode sd
N5K-1(config-if)# no shutdown
```

- A. The Fibre Channel interface is configured for synchronization distribution.
- B. The Fibre Channel interface is configured for SPAN.
- C. The Fibre Channel interface is configuration for source distribution.
- D. The Fibre Channel interface is configured for FSPF.

**Answer: B**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san\\_switching/421\\_n1\\_1/b\\_Cisco\\_n5k\\_nxos\\_sanswitching\\_config\\_guide\\_rel421\\_n1\\_1/Cisco\\_n5k\\_nxos\\_sanswitching\\_config\\_guide\\_rel4](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san_switching/421_n1_1/b_Cisco_n5k_nxos_sanswitching_config_guide_rel421_n1_1/Cisco_n5k_nxos_sanswitching_config_guide_rel4)

[https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli\\_rel\\_4\\_1/Cisco\\_Nexus\\_5000\\_Series\\_Switch\\_CLI\\_Software\\_Configuration\\_Guide\\_chapter50.html](https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli_rel_4_1/Cisco_Nexus_5000_Series_Switch_CLI_Software_Configuration_Guide_chapter50.html)

**NEW QUESTION 131**

- A. Fifteen SSH sessions remain connected to the switch.
- B. A large system image is copied to a switch by using the default VRF.
- C. A ping sweep is performed on a network that is connected through a switch.
- D. A web server that is connected to a switch is affected by a DDoS attack.

**Answer: B**

**Explanation:**

A large image upload is more probable to generate that level of traffic.  
15 SSH session would mean an average of 200pps per session, and they simply mention that the session remain connected, if there are no inputs in them they have 0pps and even a full config push would probably not require 200 packets total.

```
class copp-system-p-class-management set cos 2
police cir 3000 pps bc 32 packets conform transmit violate drop
```

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/ b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS Security Configuration Guide/b Cisco Nexus 9000 Series NXOS Security Configuration Guide chapter 010001.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Security_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Security_Configuration_Guide_chapter_010001.html)

## NEW QUESTION 136

visit - <https://www.surepassexam.com>



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

**Answer:** DE

#### NEW QUESTION 138

Which two features are used to allow a nondisruptive upgrade for the ISSU process? (Choose two.)

- A. connectivity management processor
- B. nonstop forwarding
- C. graceful restart
- D. stateful switchover
- E. advanced services license

**Answer:** BD

#### NEW QUESTION 143

A network engineer is configuring the Cisco UCS service profile template with Ansible using this code.

```
hostname: 192.168.10.23
username: cisco
password: f718c4329405088301f6247ff982
name: DCE-CTRL
template_type: updating-template
uuid_pool: UUID-POOL
storage_profile: DCE-StgProf
maintenance_policy: default
server_pool: Container-Pool
host_firmware_package: 4.1(1a)
bios_policy: Docker
```

Which attribute must be used to apply the iSCSI initiator identifiers to all iSCSI vNICs for the service profiles derived from the service template?

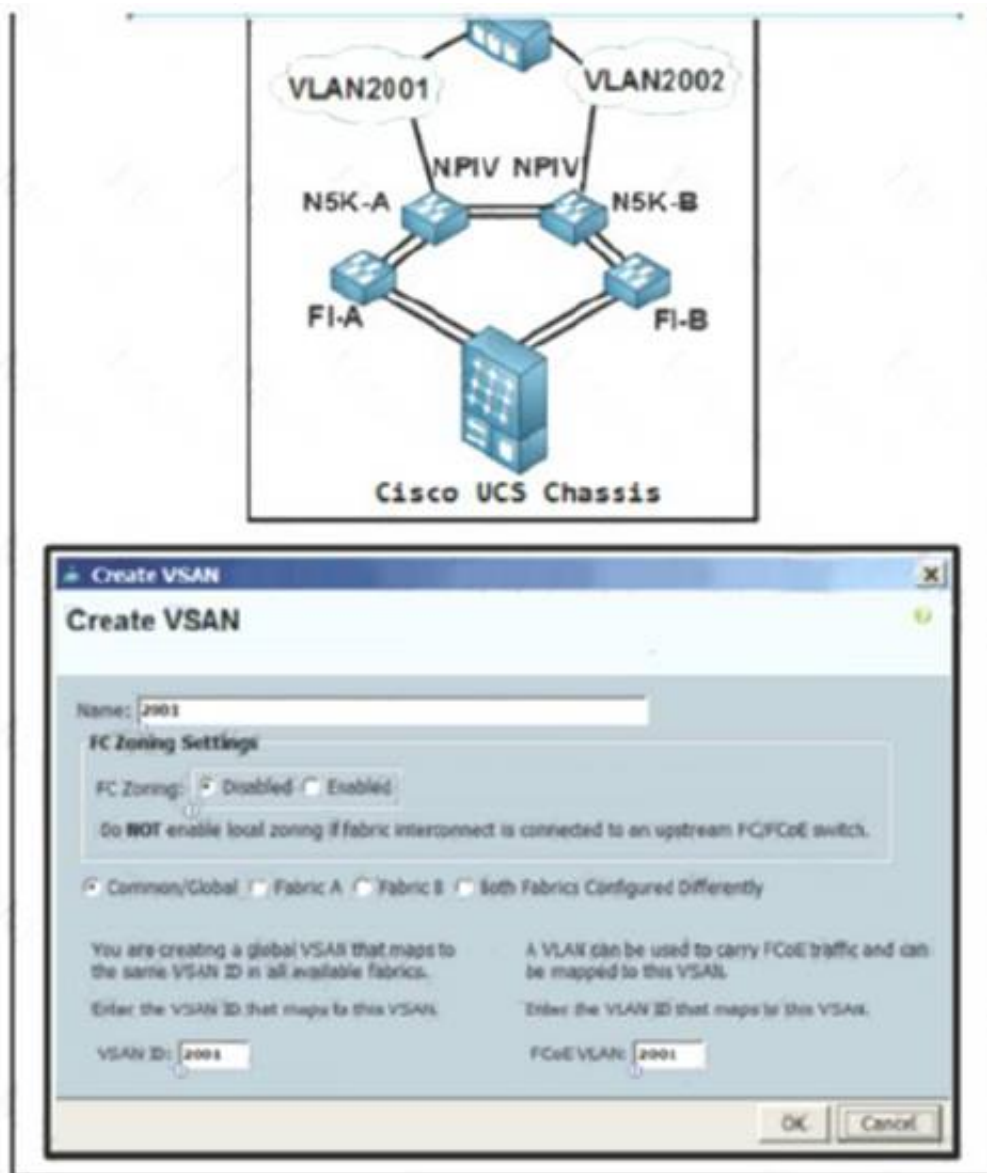
- A. san\_connectivity\_policy
- B. iqn\_pool
- C. boot\_policy
- D. lan\_connectivrtty\_policy

**Answer:** B

#### NEW QUESTION 146

Refer to the exhibit.





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

**Answer: C**

**Explanation:**

<https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/fabric/fabric>  
[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-central/GUI-User-Guides/Storage-Mgmt/1-5/](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Storage-Mgmt/1-5/)

#### NEW QUESTION 149

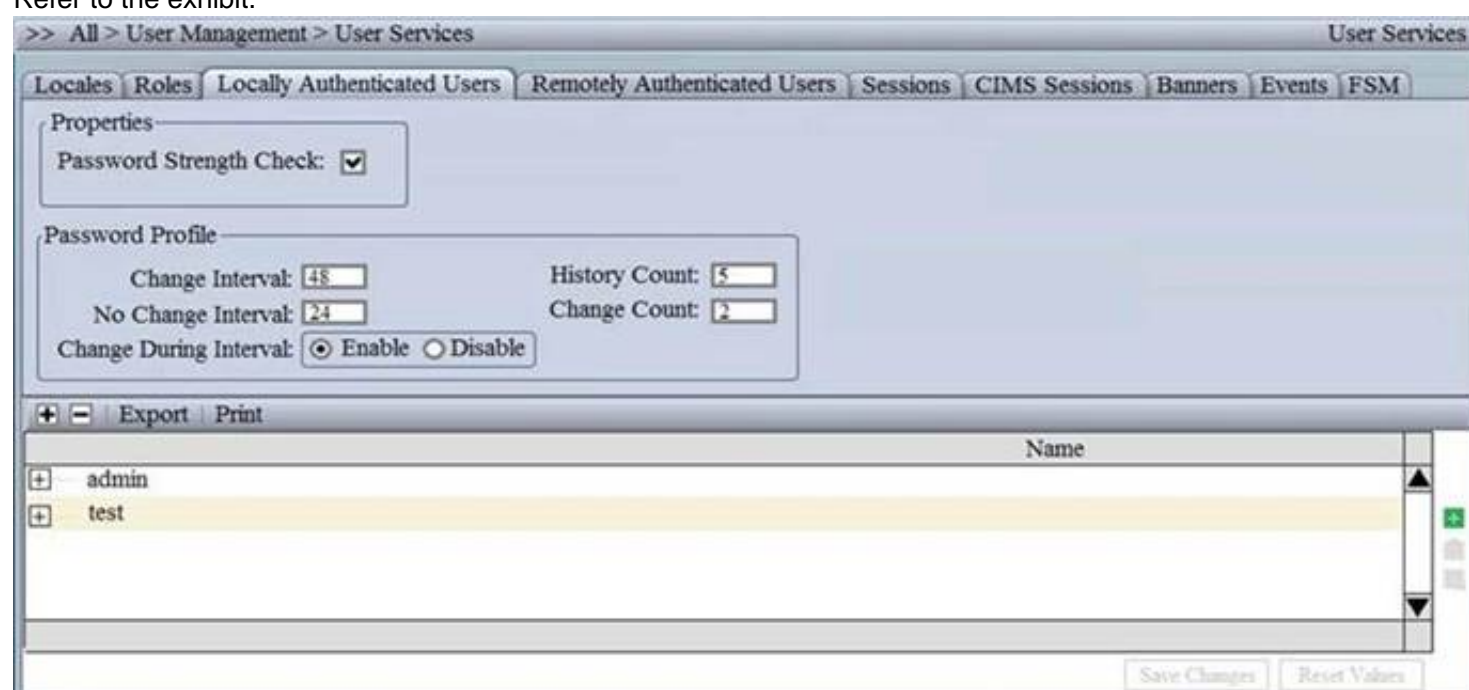
An engineer must configure Cisco Nexus 9000 Series Switches for Cisco UCS Director integration The configuration must enable automated onboarding of the switches as they come online. For security purposes, the switches must have the bare minimum of connection methods enabled. The connection protocol must allow authentication through credentials. Which protocol must be configured on the switches to allow automated onboarding?

- A. SNMP
- B. Telnet
- C. SSH
- D. HTTPS

**Answer: C**

#### NEW QUESTION 153

Refer to the exhibit.



Which setting must be configured to prevent reuse of passwords?

- A. No Change Interval
- B. Change Interval
- C. History Count
- D. Change Count

**Answer: C**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_011.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_011.html)

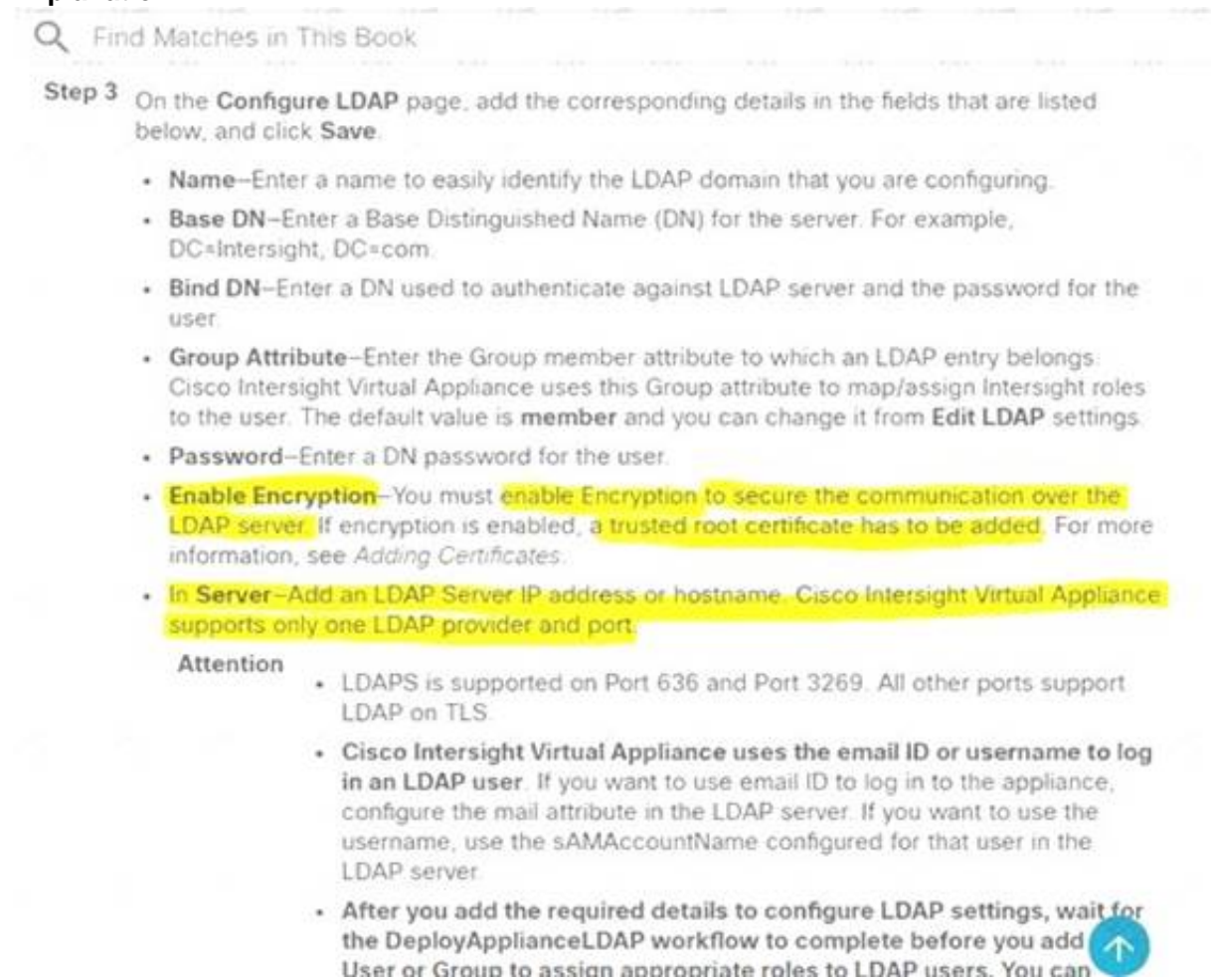
#### NEW QUESTION 155

An engineer is implementing Cisco Intersight in a secure environment. The environment must use LDAP directory service and ensure information integrity and confidentiality. Which two steps must be taken to implement the solution? (Choose two.)

- A. Enable Encryption for LDAP
- B. Add a self-signed LDAP certificate to Cisco Intersight.
- C. Enable Certificate Signing Request in Cisco Intersight.
- D. Add a trusted root LDAP certificate to Cisco Intersight
- E. Add a trusted OAuth token to Cisco Intersight

**Answer: AD**


**Explanation:**



The screenshot shows a search bar at the top with the text "Find Matches in This Book". Below it, a section titled "Step 3" contains the following text: "On the **Configure LDAP** page, add the corresponding details in the fields that are listed below, and click **Save**." Below this, there is a list of configuration steps:

- **Name**—Enter a name to easily identify the LDAP domain that you are configuring.
- **Base DN**—Enter a Base Distinguished Name (DN) for the server. For example, DC=Intersight, DC=com.
- **Bind DN**—Enter a DN used to authenticate against LDAP server and the password for the user.
- **Group Attribute**—Enter the Group member attribute to which an LDAP entry belongs: Cisco Intersight Virtual Appliance uses this Group attribute to map/assign Intersight roles to the user. The default value is **member** and you can change it from **Edit LDAP** settings.
- **Password**—Enter a DN password for the user.
- **Enable Encryption**—You must **enable Encryption to secure the communication over the LDAP server**. If encryption is enabled, **a trusted root certificate has to be added**. For more information, see *Adding Certificates*.
- **In Server**—Add an LDAP Server IP address or hostname. **Cisco Intersight Virtual Appliance supports only one LDAP provider and port.**

Below the list, there is an "Attention" section with the following text:

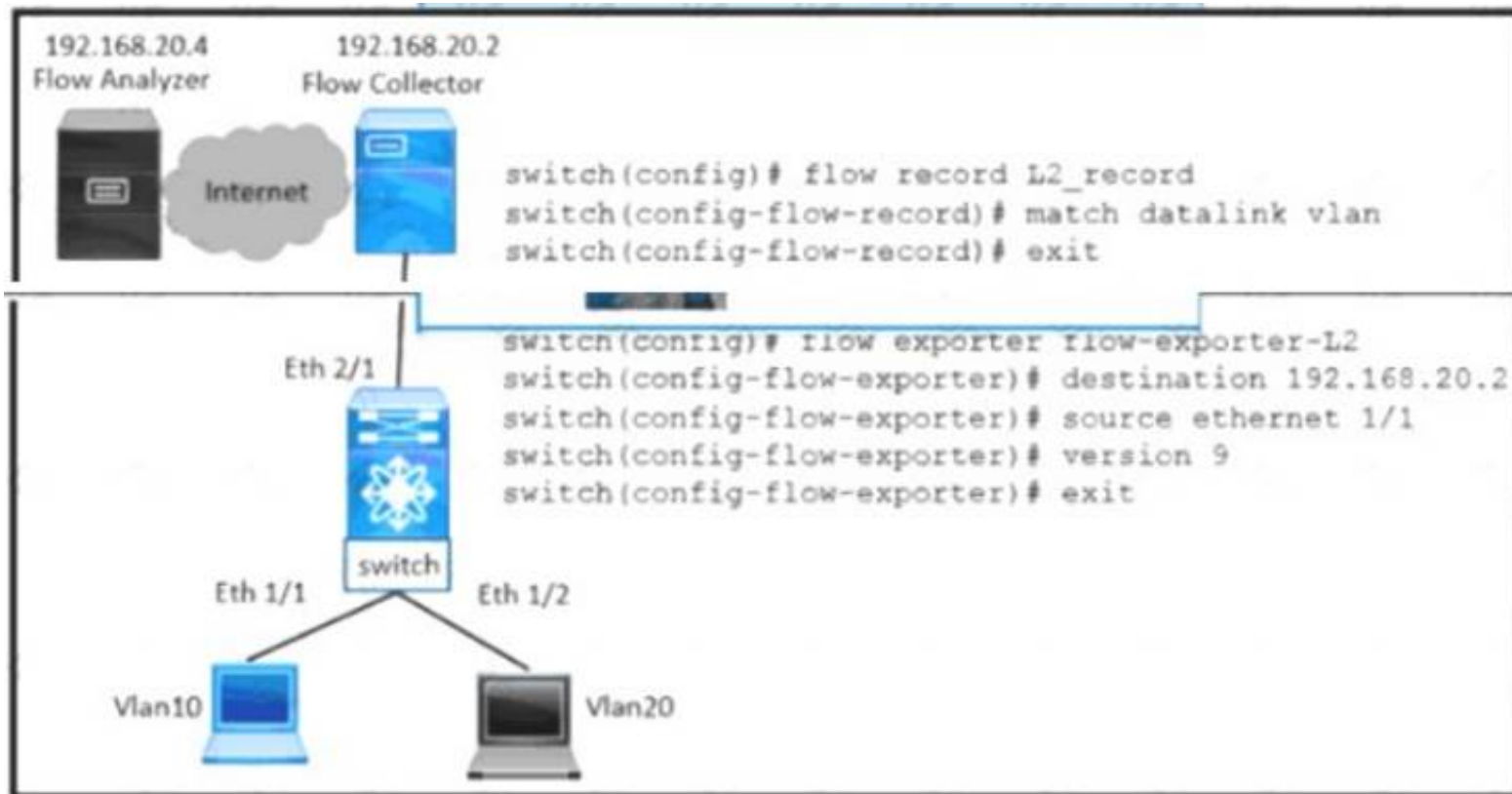
- LDAPS is supported on Port 636 and Port 3269. All other ports support LDAP on TLS.
- **Cisco Intersight Virtual Appliance uses the email ID or username to log in an LDAP user.** If you want to use email ID to log in to the appliance, configure the mail attribute in the LDAP server. If you want to use the username, use the sAMAccountName configured for that user in the LDAP server.
- **After you add the required details to configure LDAP settings, wait for the DeployApplianceLDAP workflow to complete before you add**  **User or Group to assign appropriate roles to LDAP users. You can**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/Intersight/b\\_Cisco\\_Intersight\\_Appliance\\_Getting\\_Started\\_Guide/b\\_Cisco\\_Intersight\\_Appliance\\_Install\\_and\\_Upgrade\\_Guide\\_chapter\\_0110.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/Intersight/b_Cisco_Intersight_Appliance_Getting_Started_Guide/b_Cisco_Intersight_Appliance_Install_and_Upgrade_Guide_chapter_0110.html)

#### NEW QUESTION 159

Refer to the exhibit.





VLAN 10 is experiencing delays and packet drops when the traffic is forwarded through the switch. The destination flow analyzer accepts traffic captures of not more than 30 seconds. Which configuration implements the traffic capture that meets the requirements?

- ☐ switch(config)# flow timeout 30000  
switch(config)# interface ethernet 1/1  
switch(config-if)# switchport  
switch(config-if)# switchport access vlan 10  
switch(config-if)# ip flow monitor L2\_monitor output
- ☐ switch(config)# flow timeout 30  
switch(config)# interface ethernet 1/1  
switch(config-if)# switchport  
switch(config-if)# switchport access vlan 10  
switch(config-if)# mac packet-classify  
switch(config-if)# layer2-switched flow monitor L2\_monitor input
- ☐ switch(config)# interface ethernet 1/1  
switch(config-if)# flow timeout 30  
switch(config-if)# switchport access vlan 10  
switch(config-if)# mac packet-classify  
switch(config-if)# ip flow monitor L2\_monitor input
- ☐ switch(config)# interface ethernet 1/1  
switch(config)# flow timeout 30000  
switch(config-if)# switchport  
switch(config-if)# layer2-switched flow monitor L2\_monitor output  
switch(config-if)# switchport access vlan 10

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

**Answer: B**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system\\_management/configuration](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration)  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4\\_2/nx-os/system\\_management/configuration/gu](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nx-os/system_management/configuration/gu)

#### NEW QUESTION 163

The FCoE technology is used in a data center and the MDS switches are configured as Fibre Channel Forwarders. What configuration should be applied to an MDS switch in order to be used as the best switch to connect by the CNAs in the fabric?

- A. fcoe fcf-priority 1024
- B. fcoe fcf-priority 512
- C. fcoe fcf-priority 0
- D. no fcoe fcf-priority

**Answer: C**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/521n11/b\\_5k\\_FCoE\\_Config\\_521N11\\_chapter\\_011.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/521n11/b_5k_FCoE_Config_521N11_chapter_011.pdf)

#### NEW QUESTION 168

A network administrator is using the Cisco ESA with Cisco AMP to upload files to the cloud for analysis. The network is congested and is affecting communication. How will the Cisco ESA handle any files which need analysis?

- A. Cisco AMP calculates the SHA-256 fingerprint, caches it, and periodically attempts the upload.
- B. The Cisco ESA immediately makes another attempt to upload the file.
- C. The file is queued for upload when connectivity is restored.
- D. The file upload is abandoned.

**Answer:** A

#### NEW QUESTION 169

A customer requires a solution to orchestrate the configuration of storage arrays, firewalls, and Cisco ACI networking. Additionally, the orchestration product must support open automation and a service catalog. Which solution meets these requirements?

- A. Cisco UCS Director
- B. Cisco Intersight
- C. Cisco Data Center Network Manager
- D. Cisco Workload Optimization Manager

**Answer:** C

#### NEW QUESTION 171

What is a characteristic of EPLD updates on Cisco MDS 9000 Series Switches?

- A. EPLD updates are installed only via the Cisco DCNM GUI
- B. EPLD packages update hardware functionality on a device
- C. EPLD bundles are released separately from a Cisco MDS NX-OS release
- D. EPLD updates are nondisruptive to traffic flow

**Answer:** B

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6\\_2/release/notes/epld/epld\\_rn.htm](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/release/notes/epld/epld_rn.htm)

#### Introduction

Switches and directors in the Cisco MDS 9000 Series contain several electrical programmable logical devices (EPLDs) that provide hardware functionalities in all of the modules. As of Cisco MDS SAN-OS Release 1.2, EPLD image upgrades are periodically provided to include enhanced hardware functionality or to resolve known issues.

#### NEW QUESTION 173

An engineer must configure a Nexus 7000 series switch for HSRP on VLAN 100. When fully functional, the router must be the active master. Which set of commands must be used to implement the scenario?

- ☒ feature hsrp  
interface vlan100  
ip address 10.1.1.2 255.255.255.0  
priority 120  
hsrp version 2  
hsrp 1000  
ip 10.1.1.1
- ☐ feature hsrp  
interface vlan100  
ip address 10.1.1.2 255.255.255.0  
priority 100  
hsrp version 2  
hsrp 1000  
ip 10.1.1.1
- ☐ feature-set hsrp  
interface vlan100  
ip address 10.1.1.2 255.255.255.0  
priority 110  
hsrp version 2  
hsrp 1000  
ip 10.1.1.1
- ☐ feature-set hsrp  
interface vlan100  
ip address 10.1.1.2 255.255.255.0  
priority 80  
hsrp version 2  
hsrp 1000  
ip 10.1.1.1

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

Answer: A

NEW QUESTION 174

Which component is disrupted when the cisco integrated Management controller is upgraded on a cisco UCS series server?

- A. Cisco UCS Manager
- B. SAN traffic
- C. KVM sessions
- D. Data traffic

Answer: C

NEW QUESTION 176

An engineer performs a Firmware Auto Install upgrade through the Cisco UCS Manager. Which two Cisco UCS components are upgraded in the Install Server Firmware stage? (Choose two)

- A. Cisco UCS C-Series Rack-Mount Server
- B. I/O Modules
- C. Cisco UCS Manager
- D. Cisco UCS B-Series Blade Server
- E. Fabric Interconnects

Answer: BE

NEW QUESTION 179

What is required for using Ansible with HTTP/HTTPS protocol in a Cisco NX-OS environment?

- A. SSH
- B. Open Agent Container
- C. XML management interface
- D. NX-API

Answer: D

Explanation:

[https://docs.ansible.com/ansible/2.5/modules/nxos\\_nxapi\\_module.html](https://docs.ansible.com/ansible/2.5/modules/nxos_nxapi_module.html) [https://docs.ansible.com/ansible/latest/network/user\\_guide/platform\\_nxos.html](https://docs.ansible.com/ansible/latest/network/user_guide/platform_nxos.html)

NEW QUESTION 184

Drag and drop the mechanisms to collect data from a network from the left onto their characteristics on the right

CLI-based scripts	Polling can take 5-10 minutes.
SNMP	Unstructured and susceptible to change and scripts failure.
syslog	It sends data from the device to a specific endpoint, for instance, JSON or by using Google protocol buffers.
telemetry	It pushes messages in the format "seq no:timestamp: %facility-severity MNEMONIC:description" and has limits in scale and efficiency.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated with low confidence

NEW QUESTION 185

The Cisco Nexus 5600 Series Switch experiences occasional packet drops on interface ethernet 1/16. An engineer wants to implement a SPAN session to investigate the issue further. The network analyzer to which the packets must be directed is located on interface 1/3. The analyzer is limited on disk space available for traffic capture, so the Nexus switch should send only the relevant data. Which two command sets configure the SPAN session that meets these requirements? (Choose two.)



- ☒ interface ethernet 1/3  
switchport monitor
- ☐ monitor session 2  
destination interface ethernet 1/3  
span interface ethernet 1/16
- ☐ interface ethernet 1/3  
switchport span
- ☒ span session 2  
type SPAN-on-DROP  
destination interface ethernet 1/3  
source interface ethernet 1/16
- ☒ monitor session 2 type SPAN-on-DROP  
destination interface ethernet 1/3  
source interface ethernet 1/16

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

**Answer:** AE

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/switches/nexus-5000-series-switches/white-paper-c11-73302> The information to be sent is regarding dropped packets only.

This configuration creates a SPAN session with type SPAN-on-DROP. In the following example, the source interface, where congestion may be present, is port e3/1. The destination port is e3/2, which must be in switchport monitor mode.

```
switch(config)# monitor session <session_number> type SPAN-on-DROP
switch(config-SPAN-on-DROP)# source interface e3/1
switch(config-SPAN-on-DROP)# destination interface e3/2
```

**NEW QUESTION 187**

Which two actions should be performed before upgrading the infrastructure and firmware of multiple UCS blades? (Choose two)

- A. Verify if the bootflash on the fabric interconnects in the Cisco UCS has at least 15% available space
- B. Enable Smart Call Home feature during the firmware upgrade process
- C. Verify if the bootflash on the fabric interconnects in the Cisco UCS has at least 10% available space
- D. Run the Check Conformance feature to verify that all your components are running the compatible firmware version after the upgrade
- E. Get Full State and All Configuration backup files before beginning the upgrade

**Answer:** DE

**NEW QUESTION 191**

An engineer must implement a Cisco UCS system at a customer site. One of the requirements is to implement SAN boot. The storage system maps the source WWPN to a unique LUN. Which method does Cisco recommend to configure the SAN boot?

- A. Create a SAN boot policy in which every initiator is mapped to the same target LUN.
- B. Define the vHBAs as bootable and leave the default values on the target definition.
- C. Define the vHBAs as bootable and leave the boot target definition empty.
- D. Create a SAN boot policy in which every initiator is mapped to a different target LUN.

**Answer:** A

**Explanation:**

While you have multiple zones consisting of FC vHBAs and storage target wwps for SAN Fabrics A and B, you are ultimately booting off of the same boot LUN. Multiple paths to get to the same boot device which correspond with the same LUN ID.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting\\_chapter\\_0110.html#r\\_sanarrayconfigurationchecklist](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting_chapter_0110.html#r_sanarrayconfigurationchecklist)

**NEW QUESTION 193**

An engineer configures the properties of a Cisco UCS Cisco Integrated Management Controller network adapter for a standalone Cisco C-Series server. The Fallback Timeout in the vNIC was set to 600. When the failure occurs, the secondary must be used and then fallback when the primary interface becomes available again. Which action should be taken to meet these requirements?

- A. Set default VLAN on the adapters.
- B. Increase Cos to 6.
- C. Disable VNTAG mode.
- D. Enable Uplink failover.

**Answer:** D

**Explanation:**

Enable Uplink Failover check box - Check this box if traffic on this vNIC should fail over to the secondary interface if there are communication problems. VNTAG mode is required for this option.

Failback timeout field - After a vNIC has started using its secondary interface, this setting controls how long the primary interface must be available before the system resumes using the primary interface for the vNIC. Enter a number of seconds between 0 and 600. VNTAG mode is required for this option.

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/c/sw/gui/config/guide/1.5/b\\_Cisco\\_UCS\\_C-series\\_G](https://www.cisco.com/en/US/docs/unified_computing/ucs/c/sw/gui/config/guide/1.5/b_Cisco_UCS_C-series_G)

**NEW QUESTION 194**

A company is running a pair of cisco Nexus 7706 series switches as part of a data center segment. All network engineers have restricted read-Write access to the core switches. A network engineer must a new FCoE VLAN to allow traffic from services toward FCoE storage. Which set of actions must be taken to meet these requirements?

- A. \* 1. Create a user defined role and add the required privileges.\* 2. Assign a role to a user.
- B. \* 1. Add the required privilege to the VDC-admin role.
- C. Commit the changes to the active user database.
- D. \* 1. Modify a network-operator role and add the required privileges.\* 2. Assign a VDC-operator role to a user.
- E. \* 1. Assign the network-admin role to a user.\* 2. Commit the role to the switch to the active user database

**Answer:** B

**NEW QUESTION 195**

What is a benefit of using Cisco Tetration?

- A. It collects telemetry data from servers and then uses software sensors to analyze flow information.
- B. It collects near-real time data from servers and inventories the software packages that exist on servers.
- C. It collects policy compliance data and process details.
- D. It collects enforcement data from servers and collects interpacket variation.

**Answer:** A

**NEW QUESTION 196**

Refer to the exhibit.

```
OTV-Site1# show otv
OTV Overlay Information
Site Identifier 0000.0000.0111
Overlay interface Overlay200
VPN name: Overlay200
VPN state: UP
Extended vlans: 178 2500-2563 (Total:65)
Join interface(s): Eth1/2 (20.1.1.1)
Site vlan: 1999 (up)
AED-Capable: Yes
Capability: Unicast-Only
Is Adjacency Server: Yes
Adjacency Server(s): 20.1.1.1/20.2.1.1
```

A network engineer is setting up a multihomed OTV network. The first site has been set up with a primary and secondary adjacency server. Which configuration must be added on the remote OTV AEDs site?

- A. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563otv use-adjacency-server 20.1.1.1 unicast-only
- B. interface Overlay200otv join-interface Ethernet1/2 otv extand-vlan 178, 2500-2563otv adjacency-server unicast-only
- C. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563
- D. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563otv use-adjacency-server 20.1.1.1 20.2.1.1 unicast-only

**Answer:** D

**NEW QUESTION 197**

Refer to the exhibit.



```
N7K-1
spanning-tree vlan 1-10 priority 8192

vpc domain 100
  role priority 100
  peer-keepalive destination 10.1.1.2 source 10.1.1.1
vrf default
  delay restore 60
  peer-switch
  auto-recovery
  ip arp synchronize

N7K-2
spanning-tree vlan 1-10 priority 8192

vpc domain 100
  role priority 200
  peer-keepalive destination 10.1.1.1 source 10.1.1.2
vrf default
  delay restore 60
  peer-switch
  auto-recovery
  ip arp synchronize
```

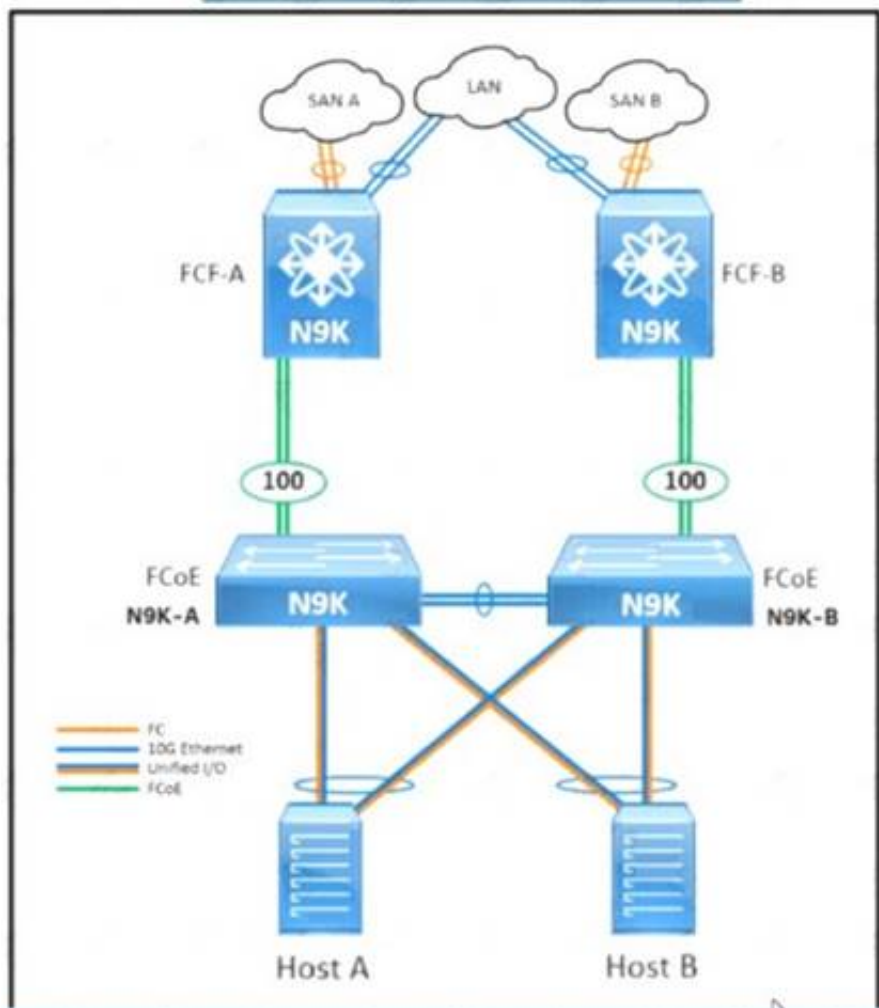
The STP priority of N7K-1 and N7K-2 are the lowest in the network. Which statement describes STP on the vPC?

- A. N7K-1 appears as the STP root.
- B. N7K-2 appears as the STP root.
- C. N7K-1 and N7K-2 appear as a single STP root.
- D. N7K-1 preempts N7K-2 as the STP root.

**Answer: C**

#### NEW QUESTION 202

Refer to the exhibit.



An engineer must configure FCoE between the N9K-A switch and the FCF-A Nexus 9000 core switch. The deployment has these characteristics:

- The N9K-A and N9K-B top-of-rack switches share the domain ID of the core switches.
- The hosts are equipped with converged network adapters.
- The only VSAN that is permitted to traverse port-channel 100 is VSAN 20. Which configuration completes the FCoE configuration on the N9K-A device?

- ☐ N9K-A(config)# feature fcoe  
N9K-A(config)# feature npv  
N9K-A(config)# interface vfc 100  
N9K-A(config-if)# bind interface port-channel 100  
N9K-A(config-if)# switchport mode F  
N9K-A(config-if)# switchport trunk allowed vsan 20
- ☐ N9K-A(config)# feature fcoe  
N9K-A(config)# feature npv  
N9K-A(config)# interface vfc 100  
N9K-A(config-if)# bind interface port-channel 100  
N9K-A(config-if)# switchport mode N  
N9K-A(config-if)# switchport trunk allowed vsan 1, 20
- ☐ N9K-A(config)# feature-set fcoe-npv  
N9K-A(config)# interface vfc-port-channel 100  
N9K-A(config-if)# switchport mode NP  
N9K-A(config-if)# switchport trunk allowed vsan 20
- ☐ N9K-A(config)# feature-set fcoe-npv  
N9K-A(config)# interface vfc-port-channel 100  
N9K-A(config-if)# switchport mode E  
N9K-A(config-if)# switchport trunk allowed vsan 1, 20

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

**Answer:** C

#### NEW QUESTION 205

The Cisco UCS blade chassis must send SNMPv3 traps to a network monitoring system. The SNMP trap messages should be authenticated and have protection from closure. Which SNMP security privileged level should be configured?

- A. noPriv  
B. auth  
C. noAuth  
D. priv

**Answer:** D

#### NEW QUESTION 206

An engineer must migrate a Cisco UCS C-Series server from Cisco SingleConnect to direct integration mode. The Cisco UCS Manager Rack Server Discovery Policy and Rack Management Connection Policy are set to immediate and Auto-Acknowledge. Which set of steps accomplishes this task?

- ☒ Disconnect the cables from the FEX.  
Connect the cables to appliance ports on the fabric interconnect.  
Reset the Cisco IMC of the server.
- ☐ Disconnect the cables from the FEX.  
Connect the cables to server ports on the fabric interconnect.  
Reset the Cisco IMC of the server.
- ☐ Disconnect the cables from the FEX.  
Connect the cables to appliance ports on the fabric interconnect.  
Reacknowledge the server.
- ☐ Disconnect the cables from the FEX.  
Connect the cables to server ports on the fabric interconnect.  
Reacknowledge the server.

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

**Answer:** D

#### NEW QUESTION 211

A customer reports Fibre Channel login requests to a cisco MDS 9000 series Switch from an unauthorized source. The customer requires a feature that will allow all devices already logged in and learned in and learned to be added to the Fibre channel active database. Which two features must be enabled to accomplish this goal?

(Choose two.)

- A. Auto-learning  
B. Port security  
C. Enhanced zoning  
D. Device aliases  
E. Smart aliases

**Answer:** AB

**Explanation:**

[https://www.cisco.com/en/US/docs/storage/san\\_switches/mds9000/sw/rel\\_3\\_x/configuration/guides/fm\\_3\\_3\\_1/p](https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/configuration/guides/fm_3_3_1/p) Port Security Activation By default, the port security feature is not activated in any switch in the Cisco MDS 9000 Family. By activating the port security feature, the following apply: Auto-learning is also automatically enabled, which means: From this point, auto-learning happens for the devices or interfaces that were already logged into the switch and also for the new devices will login in future. You cannot activate the database until you disable auto-learning. All the devices that are already logged in are learned and are added to the active database. All entries in the configured database are copied to the active database. After the database is activated, subsequent device login is subject to the activated port bound WWN pairs, excluding the auto-learned entries. You must disable auto-learning before the auto-learned entries become activated.

**NEW QUESTION 216**

Drag and drop the Hyperflex characteristics from the left onto the appropriate Hyper Hex node types on the right.

uses only SSD drives for caching

contains HDDs for the capacity layer

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

Hybrid Node

All Flash Node

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

uses only SSD drives for caching

contains HDDs for the capacity layer

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

Hybrid Node

uses only SSD drives for caching

contains HDDs for the capacity layer

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

All Flash Node

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

**NEW QUESTION 219**

Which protocol does Cisco Hyperflex use to share data among nodes in a VMware vSphere environment?

- A. CIFS
- B. FCoE
- C. SMB



D. NFS

Answer: D

NEW QUESTION 224

An engineer must create an EPG called "Test". The configuration request should succeed if the Tenant called "Tenant" and the application profile called "Test" exist. The firewall policy allows only the HTTP connectivity to APIC from the user's computer. Which action accomplishes this goal?

- ☐ Send <fvAEPg dn="uni/tn-Test/ap-Test/epg-Tenant" status="created"/> to APIC payload using HTTP PUT to the Cisco APIC.
- ☐ Send <fvAEPg dn="uni/tn-Test/ap-Test/epg-Tenant" status="created"/> to APIC payload using HTTP POST to the Cisco APIC.
- ☐ Send <fvAEPg dn="uni/tn-Tenant/ap-Test/epg-Test" status="created"/> to APIC payload using HTTP POST to the Cisco APIC.
- ☐ Send <fvAEPg dn="uni/tn-Tenant/epg-Test/ap-Test" status="created"/> to APIC payload using HTTP PUT to the Cisco APIC.

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

Answer: C

NEW QUESTION 225

Drag and drop the characteristics from the left onto the correct storage systems on the right.

expensive and complex to manage

moderately expensive and simple to configure

most resilient, highly scalable, and high-performance storage

appliance providing file system access

lacks scalability, performance, and advanced features

NAS

SAN

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface Description automatically generated with medium confidence  
2,4,5 – NAS 1,3 - SAN

NEW QUESTION 226

An engineer requires the Cisco Fabric Services to distribute NTP configuration only to the members within the scope of a VSAN that belongs to a Cisco Unified Network. Which scope distribution must be selected to meet this requirement?

- A. Logical scope
- B. Physical scope
- C. Uncoordinated scope
- D. Coordinated scope

Answer: A

NEW QUESTION 230



A network architect considers a Cisco HyperFlex design solution for a company. The proposed solution is for a virtual environment that is not performance-sensitive, but the solution must have high storage capacity and a low cost. Which Cisco HyperFlex storage configuration should be used?

- A. All-Flash
- B. Hybrid
- C. All-SAN
- D. All-NVMe

**Answer:** B

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/hyperconverged-infrastructure/hyperflex-hx-series/white-pap> Hybrid contains HDD for capacity.

**NEW QUESTION 231**

Which Cisco UCS Manager XML encoded backup type must be used to back up user names, roles, and service profiles?

- A. Full State Configuration
- B. Logical Configuration
- C. All Configuration
- D. System Configuration

**Answer:** C

**NEW QUESTION 236**

What is the impact of an EPLD upgrade on a Cisco MDS 9000 Series Switch?

- A. The active supervisor traffic is disrupted.
- B. The upgrade disrupts the management connectivity to the switch.
- C. The standby supervisor module reloads multiple times.
- D. The upgrade process disrupts only the module that is being upgraded.

**Answer:** D

**NEW QUESTION 240**

Drag and drop the keywords onto the URL request to collect all the subnets configured under tenant Production using a REST API. Not all options are used.

https://{apic\_ip}/api/  /uni/tn-Production.json?

=  &

=fvSubenet

target-subtree-class

query-target-filter

query-target

children

subtree

class

mo

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text Description automatically generated

**NEW QUESTION 241**

Refer to the exhibit.

```
; Router 1 configuration
interface loopback1
 ip address 10.10.32.121/30
 ip ospf network point-to-point
 ip router ospf 1 area 0.0.0.0
 ip pim sparse-mode

ip pim rp-address 10.10.32.122 group-list 225.0.0.0/8 bi-dir
```

In a bidirectional PIM network using Phantom RP as an RP redundancy mechanism, two Cisco NX-OS routers have these requirements:

- R1 must be the active RP.
- R2 must be the backup RP that is used only if R1 is not reachable

Drag and drop the configuration steps to complete the configuration for Router 2. Not all configuration steps are used.

```
; Router 2 configuration
interface loopback1
 ip address 
 ip ospf network 
 ip router ospf 1 area 0.0.0.0
 ip pim 

ip pim rp-address  group-list 225.0.0.0/8 bi-dir
```

10.10.32.121/32	10.10.32.121	point-to-point	broadcast
10.10.32.121/29	10.10.32.122	sparse-mode	dense-mode

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Answer :

```
ip address 10.10.32.121/29
ip ospf network point-to-point
router ospf 1 area 0.0.0.0
ip pim sparse-mode

ip pim rp-address 10.10.32.122 group-list 255.0.0.0/8 bi-dir
```

**NEW QUESTION 245**

Which feature is supported with an In-Service Software Upgrade on a Cisco Nexus 9000 Series Switch?

- A. configuration changes during an upgrade  
 B. nondisruptive upgrades via nonstop forwarding  
 C. zero downtime downgrades via dual supervisor modules  
 D. upgrades to Individual modules and line cards

**Answer:** B

**NEW QUESTION 246**

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

**Answer:** A

**NEW QUESTION 251**

An engineer must configure Cisco IMC server management NIC for autonegotiation. Which setting should be selected?

- A. Cisco card
- B. shared LOM
- C. dedicated
- D. shared LOM EXT

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c/sw/cli/config/guide/4\\_0/b\\_Cisco\\_UCS\\_CSeries\\_CLI\\_Configuration\\_Guide\\_40/b\\_Cisco\\_UCS\\_CSeries\\_CLI\\_Configuration\\_Guide\\_40\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/cli/config/guide/4_0/b_Cisco_UCS_CSeries_CLI_Configuration_Guide_40/b_Cisco_UCS_CSeries_CLI_Configuration_Guide_40_chapter_01000.html)  
<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/unified-computing-system/200221-Auto-negotiation-not-enabling-by-default.html>

**NEW QUESTION 253**

Refer to the exhibit.

switch# show vpc brief

Legend:

(\*) - local vPC is down, forwarding via vPC peer-link

vPC domain id

Peer status

vPC keep-alive status

Configuration consistency status

Type-2 consistency status

vPC role

Number of vPCs configured

Peer Gateway

Dual-active excluded VLANs

: 10

: peer adjacency formed ok

: peer is alive

: success

: success

: primary

: 1

: Enabled

: -

vPC Peer-link status

id

Port

Status

Active vlans

--

----

-----

-----

1

Po20

up

100-105

vPC status

id

Port

Status

Consistency

Reason

Active vlans

--

----

-----

-----

-----

-----

7

Po7

up

success

success

100-104

8

Po8

up

success

success

100-102

9

Po9

up

success

success

100-103

Which VLANs are capable to be assigned on vPC interfaces?

- A. 100-103
- B. 100-104
- C. 100-102
- D. 100-105

**Answer:** D

**NEW QUESTION 258**

Refer to the exhibit.

#### Python Code:

```
import requests
import json

url='http://lab-93180bdlf-sw1/ins'
switchuser='dazfre'
switchpassword='Clscorox0'

myheaders={'content-type' : 'application/json'}
payload={
    "ins_api": {
        "version": "1.0",
        "type": "cli_show",
        "chunk": "0",
        "sid": "1",
        "input": "configure terminal : feature hsrp",
        "output_format": "json"
    }
}
response = requests.post(url,data=json.dumps(payload),
headers=myheaders,auth=(switchuser,switchpassword))

print(response.text)

ERROR MESSAGE
{
    "ins_api" : [
        {
            "type": "cli_show",
            "version": "1.0",
            "sid": "eoc",
            "outputs": [
                {
                    "output": [
                        {
                            "clierror": "% invalid command\n",
                            "input": "configure terminal",
                            "msg": "input CLI command error",
                            "code": "400"
                        },
                        {
                            "clierror": "% invalid command\n",
                            "input": "feature hsrp",
                            "msg": "input CLI command error",
                            "code": "400"
                        }
                    ]
                }
            ]
        }
    ]
}
```

Why does the python code for Cisco NX-API print an error message?

- A. The "type" is wrong in the header of the request and should be "cli\_conf".
- B. NX-API does not allow configuration for features via the requests module.
- C. The "type" is wrong in the body of the request and should be "cli\_conf".
- D. The JSON is not a supported format for the NX-API.

**Answer: C**

#### Explanation:

"Commands that belong to different message types should not be mixed. For example, show commands are cli\_show message type and are not supported in cli\_conf mode." [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/programmability/guide/cisco\\_nexus7000\\_programmability\\_guide\\_8x/b-cisco-nexus7000-programmability-guide-8x\\_chapter\\_011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/programmability/guide/cisco_nexus7000_programmability_guide_8x/b-cisco-nexus7000-programmability-guide-8x_chapter_011.html)

the payload "type" value is wrong in the body of the request. For the request to be successful, it should be changes to "cli\_conf".

For example, if we run the same request with the updated payload:

```
{
  "ins_api": { "version": "1.0",
    "type": "cli_conf",
    "chunk": "0",
    "sid": "1",
    "input": "configure terminal ;feature hsrp", "output_format": "json"
  }
}
```

We get a 200 response:

```
{
  "ins_api": { "sid": "eoc",
    "type": "cli_conf",
    "version": "1.0", "outputs": {
      "output": [
        {
          "code": "200",
          "msg": "Success",
          "body": {}
        }
      ]
    }
  },
  {
    "code": "200",
```



```
"msg": "Success",
"body": {}
}
]
}
}
}
```

CLI verification: nxos9kv# sh run | inc hsrp feature hsrp

#### NEW QUESTION 261

Refer to the exhibit.

```
N7Switch# sh run | section callhome
callhome
email-contact admin@acme.com
phone-contact +1-800-123-4567
streetaddress 111 Somestreet st. Sometown, Somewhere
destination-profile full_txt email-addr netadmin@acme.com
transport email smtp-server 192.168.1.25 port 25
transport email from N7Switch@acme.com
enable
alert-group Inventory user-def-cmd show logging last 100
N7Switch#
```

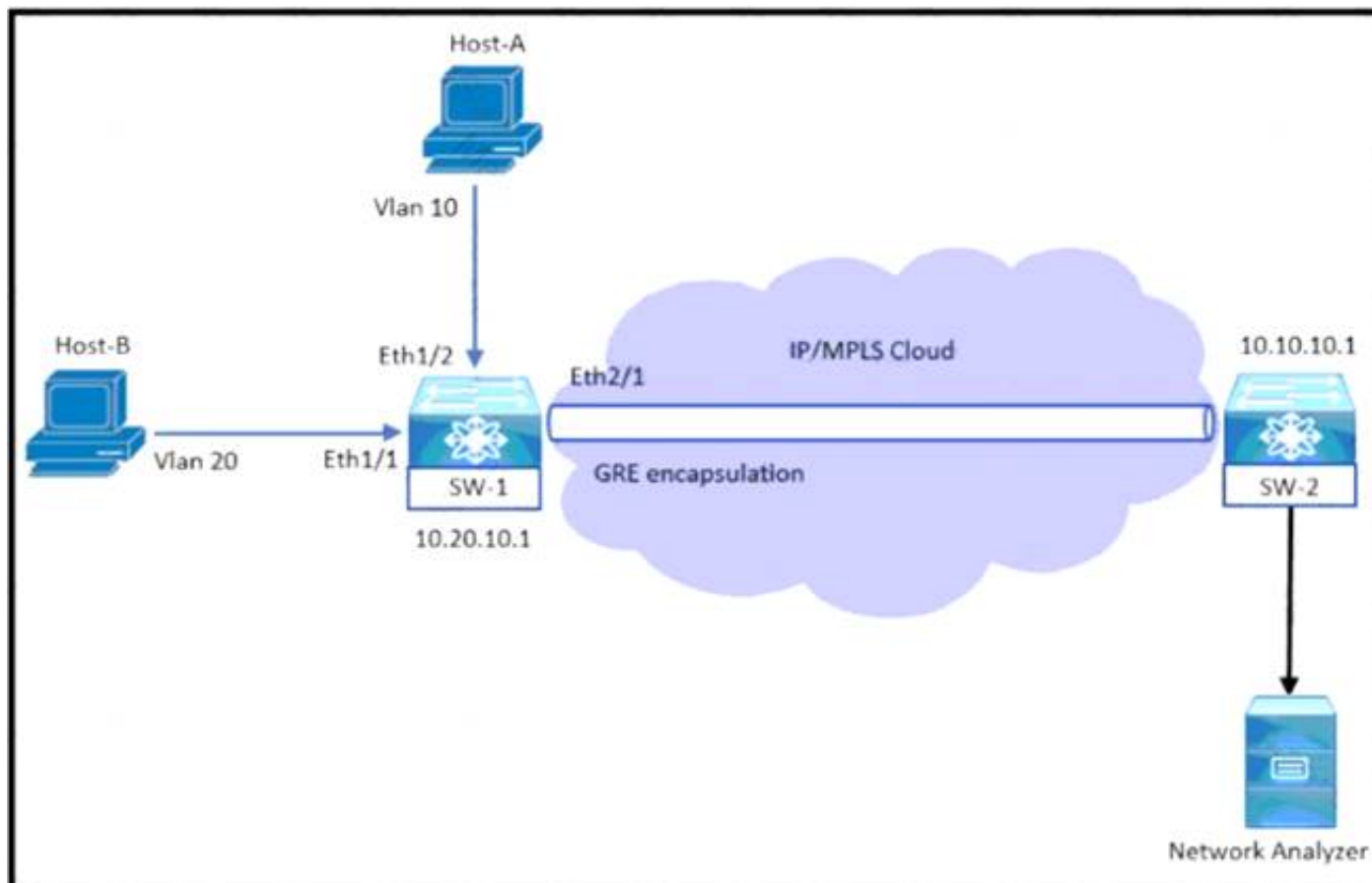
A network engineer is configuring the Smart Call Home feature on a Cisco Nexus Series Switch. An email must be generated that contains the last 100 lines of the log every time a new piece of hardware is inserted into the chassis. Which command must be added to the configuration to receive the email?

- A. alert-group Linecard-Hardware user-def-cmd show logging last 100
- B. destination-profile Operations alert-group Inventory
- C. destination-profile Operations message-level 2
- D. alert-group Operations user-def-cmd show logging last 100

**Answer: A**

#### NEW QUESTION 263

Refer to the exhibit.



An engineer monitors ingress traffic from Host-A and all traffic for VLAN 20 from Host-B. Which configuration must be implemented to monitor and export traffic to Network Analyzer?

- ☐ SW-1(config)# monitor session 5  
 SW-1(config-monitor)# source interface ethernet 1/2 rx  
 SW-1(config-monitor)# source interface ethernet 1/1 tx  
 SW-1(config-monitor)# source vlan 20 both  
 SW-1(config-monitor)# destination ip 10.10.10.1  
 SW-1(config-monitor)# no shut
- ☐ SW-1(config)# monitor session 5 type erspan-source  
 SW-1(config-erspan-src)# source interface ethernet 1/2 rx  
 SW-1(config-erspan-src)# source vlan 20 both  
 SW-1(config-erspan-src)# destination ip 10.10.10.1  
 SW-1(config-erspan-src)# erspan-id 111  
 SW-1(config-erspan-src)# no shut
- ☐ SW-1(config)# monitor session 5 type erspan  
 SW-1(config-erspan-src)# source interface ethernet 1/2 rx  
 SW-1(config-erspan-src)# source interface ethernet 1/1 both  
 SW-1(config-erspan-src)# destination ip 10.10.10.1  
 SW-1(config-erspan-src)# mtu 1000  
 SW-1(config-erspan-src)# no shut
- ☐ SW-1(config)# monitor session 5  
 SW-1(config-monitor)# source interface ethernet 1/2 rx  
 SW-1(config-monitor)# source interface ethernet 1/1 both  
 SW-1(config-monitor)# source vlan 20 both  
 SW-1(config-monitor)# destination interface ethernet 2/1  
 SW-1(config-monitor)# no shut

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

**Answer: B**

#### NEW QUESTION 268

An engineer must perform backup and restore of the Cisco UCS Manager configuration. The configuration must be stored on a remote server via XML encoding. The backup must store the configurations of the chassis, FEX, rack servers, IOMs, and blade server. Which set of actions accomplishes these goals?

- A. Perform a logical configuration backup and run the replace import method.
- B. Perform a full state configuration backup and run the restore procedure.
- C. Perform a system configuration backup and run the merge import method
- D. Perform an all configuration backup and run the system restore procedure.

**Answer: A**

#### NEW QUESTION 271

An engineer must implement the FCoE on the Cisco Nexus 9000 Series Switch-based infrastructure. The deployment will contain dual-homed fabric extenders and must support jumbo frames with port channels. Which two sets of actions complete the configuration? (Choose two.)

- ☒ Configure the interface with mtu 9516.  
 Disable the feature NPIV.
- ☒ Create a virtual Fibre Channel interface.  
 Bind vFC to physical interface.
- ☐ Create a FCoE switch profile.  
 Enable config sync.
- ☐ Create a dedicated VSAN for FEX.  
 Bind VSAN to FEX uplinks.
- ☐ Execute fcoe enable-fex.  
 Configure FEX uplinks with mtu 9216.

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

**Answer: BE**

#### NEW QUESTION 274

Which virtualization feature is provided by network-attached storage?

- A. ALUA path redirection

- B. hypervisor host boot LUN
- C. VM cluster shared disk
- D. raw device passthrough

Answer: C

NEW QUESTION 278

An engineer must configure the HSRP protocol to implement redundancy using two Cisco Nexus Series Switches In addition, the HSRP must meet these requirements

- Switch1 must retain the primary role if switch2 goes offline
  - Switch1 must retain the primary role until normal conditions are restored.
  - Switch1 and switch2 must ensure that the routing tables are converged before taking the active role
  - switch2 must retain the primary role if the default gateway is not reachable
- Drag and drop the configuration commands from the right to the left to meet the requirements. The commands are used more than once Not all commands are used

```
! switch1
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.226/27

hsrp 200
ip 209.165.200.225
priority 210
[ ]
[ ]
no shutdown

! switch2
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.227/27

hsrp 200
ip 209.165.200.225
[ ]
[ ]
no shutdown
```

preempt delay minimum 30

track 100 decrement 200

track 200 decrement200

preempt sync 30

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
! switch1
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.226/27

hsrp 200
ip 209.165.200.225
priority 210
track 100 decrement 200
preempt delay minimum 30
no shutdown

! switch2
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.227/27

hsrp 200
ip 209.165.200.225
track 100 decrement 200
preempt delay minimum 30
no shutdown
```

preempt delay minimum 30

track 100 decrement 200

track 200 decrement200

preempt sync 30

NEW QUESTION 280

An engineer must configure the HSRP protocol between two Cisco Nexus 9000 Series Switches This configuration is present on Nexus A.



```
! Nexus A
key chain NHRP-KEYS
key 1010
key-string 7 072a43795c1d0c4050883003163b3e2121a720361a021e11
accept-lifetime 00:00:00 Jan 01 2021 23:59:59 Aug 31 2021
send-lifetime 00:00:00 Jan 01 2021 23:59:59 Jul 31 2021
key 1020
key-string 7 086f43cd5c150c1702630203163b3e2221a520261a011a12
accept-lifetime 00:00:00 Jul 01 2021 23:59:59 Dec 31 2021
send-lifetime 00:00:00 Jul 01 2021 23:59:59 Dec 31 2021
interface ethernet 1/1
ip 209.165.200.226/27
hsrp 200
priority 201
ip 209.165.200.225
-- missing output --
no shutdown
```

The final HSRP configuration must meet these requirements

- The HSRP communication must be secured on both switches
- Both switches must support more than 300 groups

Which two commands must be added to the HSRP configuration on Nexus A to complete these requirements? (Choose two)

- A. hsrp version 1
- B. hsrp version 2
- C. authentication text 1020
- D. authenticate md5 key-chain NHRP-KEYS
- E. authentication text 1010

**Answer:** BD

#### NEW QUESTION 285

A network engineer needs to upgrade the EPLDs of the fabric modules for a Cisco MDS director-class switch. In which order are components reloaded during the process?

- A. one fabric module at the time
- B. all fabric modules followed by the entire switching platform
- C. all fabric modules in parallel
- D. one module and one supervisor at the time

**Answer:** C

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/7\\_3/release\\_notes/epld/epld\\_rn\\_7x.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/7_3/release_notes/epld/epld_rn_7x.html)

Graphical user interface, text, application Description automatically generated

### Installing a Fabric Module EPLD Update

The Cisco MDS 9700 series and Cisco MDS 9513 director class switch have dedicated fabric modules. These modules contain EPLDs, which can be upgraded as described in this section. All other Cisco MDS switches do not have these modules, so this process is not applicable for them.

For Cisco MDS 9700 Series of switches, use the `install all epld uri parallel xbar-module slot` command to update EPLD images on the fabric modules. This process reloads the updated module. To ensure that the data traffic performance is not affected while the module is reloading, check the fabric bandwidth utilization by using the `show hardware fabric-utilization detail` command. If there is adequate reserve fabric bandwidth available before the update starts, then the update will be nondisruptive.

#### NEW QUESTION 288

A Cisco ACI engineer must configure an access port on a Cisco ACI leaf switch. The access policy should be configured so that it supports L3out connectivity concurrently with several EPGs that are mapped to this interface with the static port method. How should the access policy be configured?

- A. by linking the interface policy group to multiple Attachable Access Entity Profiles
- B. with a single Attachable Access Entity Profile that is linked to the corresponding routed domain and physical domain
- C. with two interface policy groups that are linked to the same interface profile port selector
- D. by mapping a single physical domain, mapped to the L3out and EPG interfaces

**Answer:** D

#### NEW QUESTION 290



Which data interchange format is presented in this output?

```
{
  "totalCount": "1",
  "imdata": [
    "fabricNode": {
      "attributes": {
        "address": "10.0.40.65",
        "apicType": "apic",
        "dn": "topology/pod-1/node-201",
        "id": "201",
        "lastStateModTs": "2020-09-07T10:20:57.236+00:00",
        "modTs": "2020-09-07T10:21:18.912+00:00",
        "model": "N9K-C9336PQ",
        "monPolDn": "uni/fabric/monfab-default",
        "role": "spine",
        "serial": "FDO39106329J",
        "uid": "0",
        "vendor": "Cisco Systems, Inc",
      }
    }
  ]
}
```

- A. XML
- B. YAML
- C. JSON
- D. CSS

**Answer:** C

#### NEW QUESTION 291

A Cisco UCS user called "Employee1" accidentally changed the boot policy of the Cisco UCS server at the Cisco UCS Manager root level. This change impacted all service profiles, and their storage connectivity was lost. The system administrator wants to prevent this issue from recurring in the future. The new security policy mandates that access must be restricted up to the organization level and prevent other users from modifying root policies. Which action must be taken to meet these requirements?

- A. Modify the privilege level assigned to the user
- B. Assign users to a specific Cisco UCS locale
- C. Assign the user "Employee1" the network-operator role
- D. Define a custom user role and assign it to users

**Answer:** B

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem User Locales](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem%20User%20Locales%20You%20can%20assign%20a%20user%20to%20one%20or%20more%20locales%20Each%20locale%20defines%20one%20or%20more%20organizations%20(domains)%20to%20which%20a%20user%20can%20access%20Access%20is%20usually%20limited%20to%20the%20organizations%20specified%20in%20the%20locale) You can assign a user to one or more locales. Each locale defines one or more organizations (domains) to which a user can access. Access is usually limited to the organizations specified in the locale.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/4-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_4-1/m\\_rolebased\\_access\\_control\\_configuration.html#d18994e1993a1635](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/4-1/b_Cisco_UCS_Admin_Mgmt_Guide_4-1/m_rolebased_access_control_configuration.html#d18994e1993a1635)

#### NEW QUESTION 296

What are two types of FC/FCoE oversubscription ratios? (Choose two.)

- A. server storage to end-node count
- B. port bandwidth to uplink bandwidth
- C. edge ISL bandwidth to core ISL bandwidth
- D. host bandwidth to storage bandwidth
- E. switch processing power to end-node processing power

**Answer:** CD

#### Explanation:

<https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2017/pdf/BRKDCN-1121.pdf>

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k\\_fcoe\\_ops.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k_fcoe_ops.html)

#### NEW QUESTION 297

An engineer must start a software upgrade on a Cisco Nexus 5000 Series Switch during a zone merge. What is the result of this action?

- A. The zone merge stops.
- B. The zone merge pauses until the upgrade completes
- C. The upgrade stops
- D. The zone merge executes and then the upgrade completes.

**Answer:** C

#### Explanation:

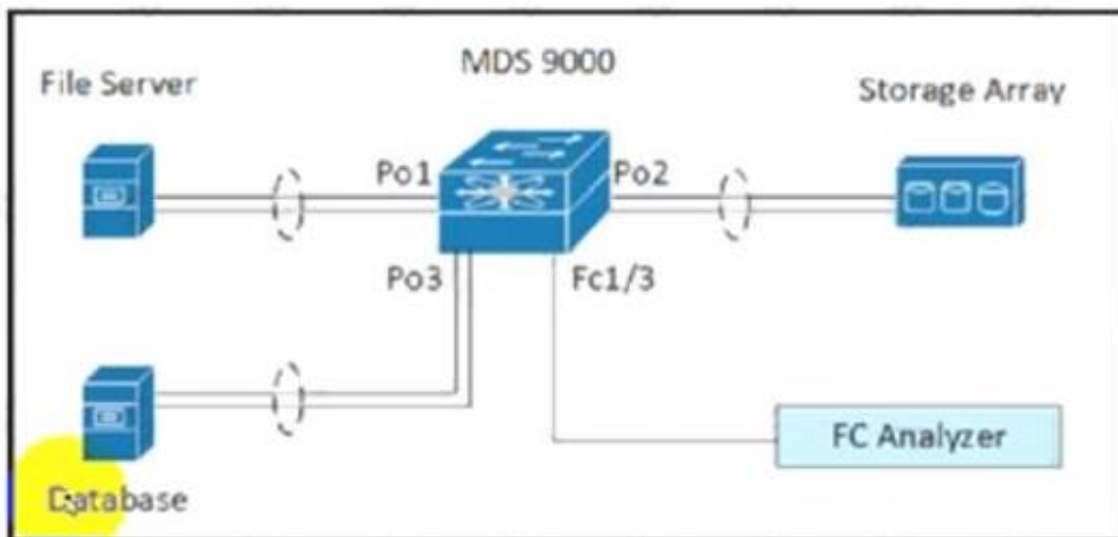
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/upgrade/602\\_N2\\_2/n5500\\_upgrade\\_d](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/upgrade/602_N2_2/n5500_upgrade_d)

The specific requirements for a nondisruptive upgrade (ISSU) are as follows:

- Topology requirements—A Cisco Nexus device on which an ISSU is being initiated should not be in one of the unsupported topologies listed in the previous figure. No interface should be in a spanning-tree designated forwarding state. Also, do not configure Bridge Assurance on any interface of the Cisco Nexus device. vPC peer-link is an exception to these requirements.
- Layer 2 requirement—The ISSU process aborts if the system has any Link Aggregation Control Protocol (LACP) fast timers configured.
- FC/FCoE requirements—Check that the topology is stable for an ISSU to work correctly. You must check the following:
  - Domain Manager—As part of the installation process, domain manager checks if the fabric is in a stable state. If the fabric is not stable, the installation aborts.
  - CFS—As part of the installation process, Cisco Fabric Services (CFS) checks if any application (ntp, fsm, rcsn, fctime) is locked. If any application is holding a CFS lock, the installation aborts.
  - Zone Server—The installation process aborts if a zone merge or zone change request is in progress.
  - FSPF—As part of the upgrade process, Fabric Shortest Path First (FSPF) verifies if the configured interface dead interval is more than 80 seconds; otherwise, the installation aborts.

### NEW QUESTION 302

Refer to the exhibit.



```
interface port-channel 1
  channel mode active
interface port-channel 2
  channel mode active
interface fcl/1-2
  channel-group 1
  no shutdown
interface fcl/4-5
  channel-group 2
  no shutdown
interface fcl/7-8
  channel-group 3
  no shutdown
vsan database
  vsan 100 name fabric1
  vsan 100 interface port-channel 1
  vsan 100 interface port-channel 2
  vsan 100 interface port-channel 3
```

A storage engineer must monitor the traffic from the file server to the FC analyzer. The file server and the database use the same storage array. Which configuration must be applied to the Cisco MDS 9000 Series Switch to accomplish this goal?

- MDS-9000(config)# span session 1  
MDS-9000(config-span)# destination interface fc1/3  
MDS-9000(config-span)# source interface port-channel 1
- MDS-9000(config)# span session 1  
MDS-9000(config-span)# destination interface port-channel 2  
MDS-9000(config-span)# source interface vsan 100
- MDS-9000(config)# span session 1  
MDS-9000(config-span)# destination interface port-channel 2  
MDS-9000(config-span)# source interface fc1/1
- MDS-9000(config)# span session 1  
MDS-9000(config-span)# destination interface vsan 100  
MDS-9000(config-span)# source interface port-channel 1

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

**Answer: B**

### NEW QUESTION 303

An administrator needs to configure an automated policy to shut down a link when a given threshold is exceeded on MDS switch. Which feature needs to be used?

- A. Scheduler
- B. RMON
- C. EEM
- D. Call Home

**Answer: C**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6\\_2/configuration/guides/interfaces/nx-os/cli\\_interfaces/intf.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/interfaces/nx-os/cli_interfaces/intf.html)

#### NEW QUESTION 306

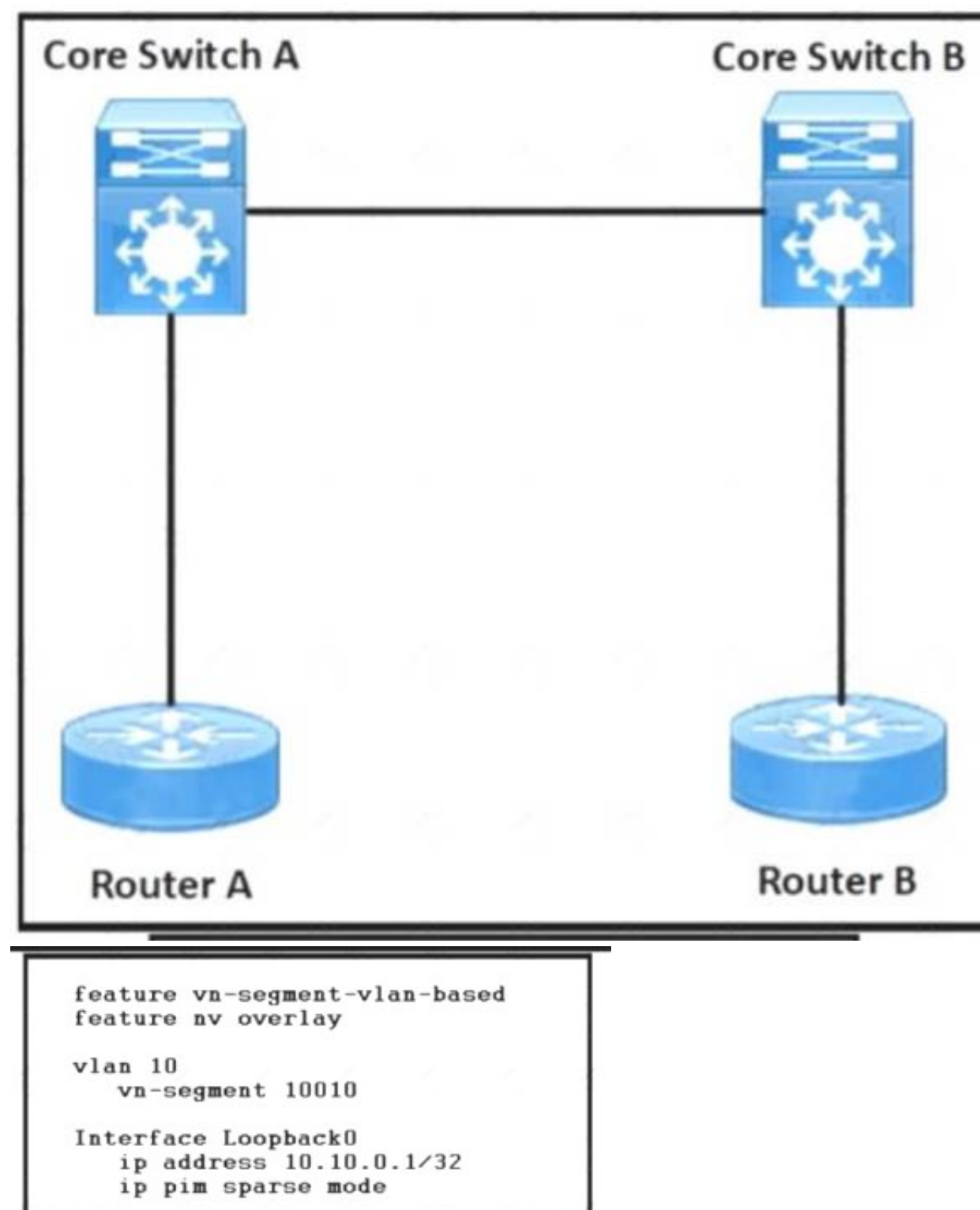
An engineer evaluates a UI-based infrastructure management system capable of monitoring and deploying standardize VXLAN BGP EVPN deployments. The storage administrator else need the solution to manage the cisco MDS 9090 series Switches. Which solution meets these requirements?

- A. Intersight
- B. UCSD
- C. Tetration
- D. DCNM

**Answer: D**

#### NEW QUESTION 310

Refer to the exhibit.



A network engineer configures the VXLAN between the routers in a data center. The VLAN 10 must be extended between routers A and B. The initial VXLAN configuration is completed on Router A. Which configuration finishes the VXLAN configuration on Router A?

A.

```
vrf context tenant1
vni 10010
```

```
Interface nve1
source-interface lo0
no shutdown
member vni 10010 interface 10.10.0.1
```

- B. 

```
system bridge-domain 10
member vni 10010
interface nve1
no shutdown
source-interface lo0
```
- C. 

```
Interface nve1
no shutdown
source-interface lo0
vni 10100 I2
rd auto
```
- D. 

```
Interface nve1
no shutdown
source-interface lo0
member vni 10010 mcast-group 231.1.1.1
```

**Answer:** C

#### NEW QUESTION 311

What are two capabilities of the Cisco Network Assurance Engine? (Choose two.)

- A. It verifies the speed of network packet flows by using telemetry.
- B. It predicts the network load on a data center.
- C. It validates that devices comply with network security policies.
- D. It ensures that network performance meets an SLA.
- E. It predicts the impact of changes to the network.

**Answer:** CE

#### Explanation:

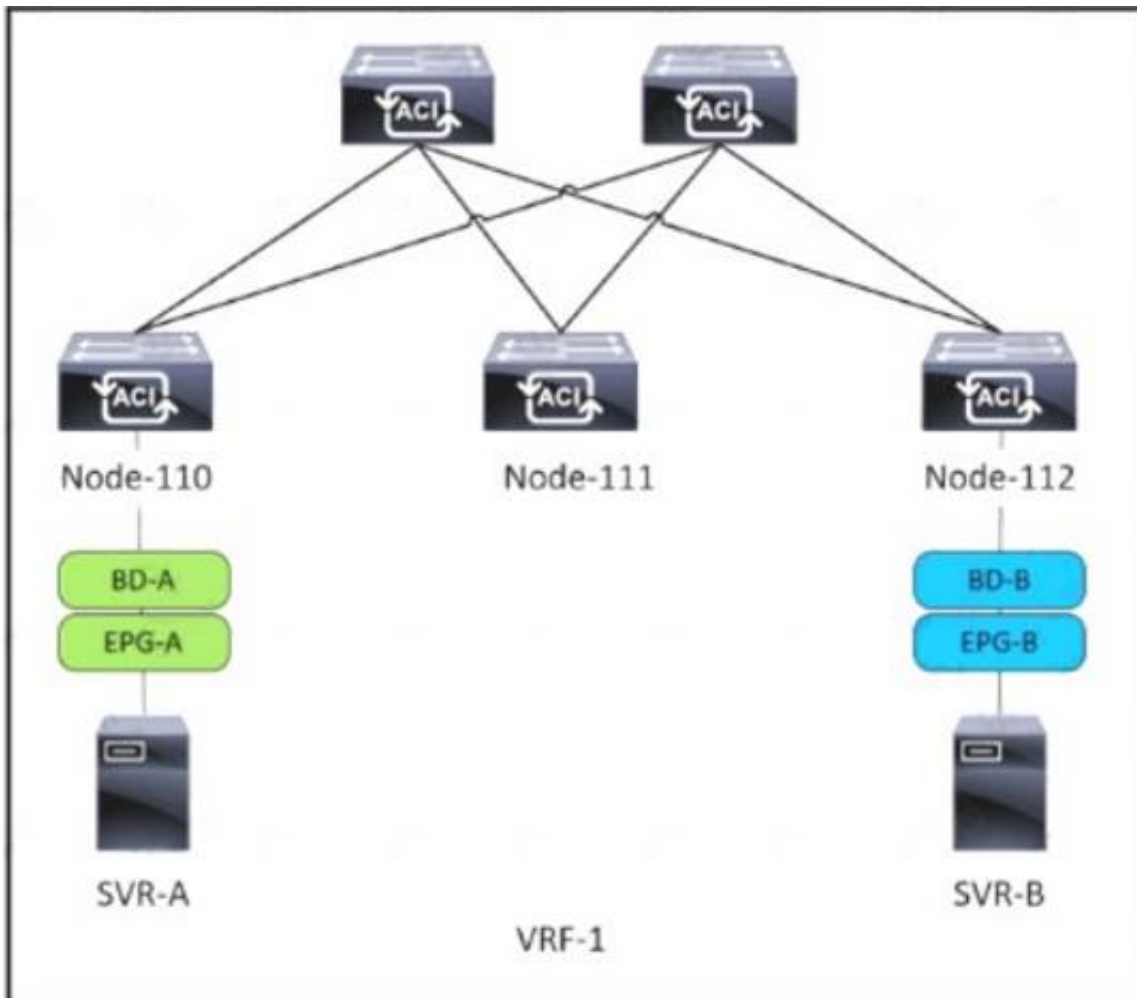
- Predict the impact of network changes
- Verify network-wide behavior
- Ensure network security policy and compliance

<https://www.cisco.com/c/en/us/products/collateral/data-center-analytics/network-assurance-engine/at-a-glance-c>

#### NEW QUESTION 313

Refer to the exhibit.





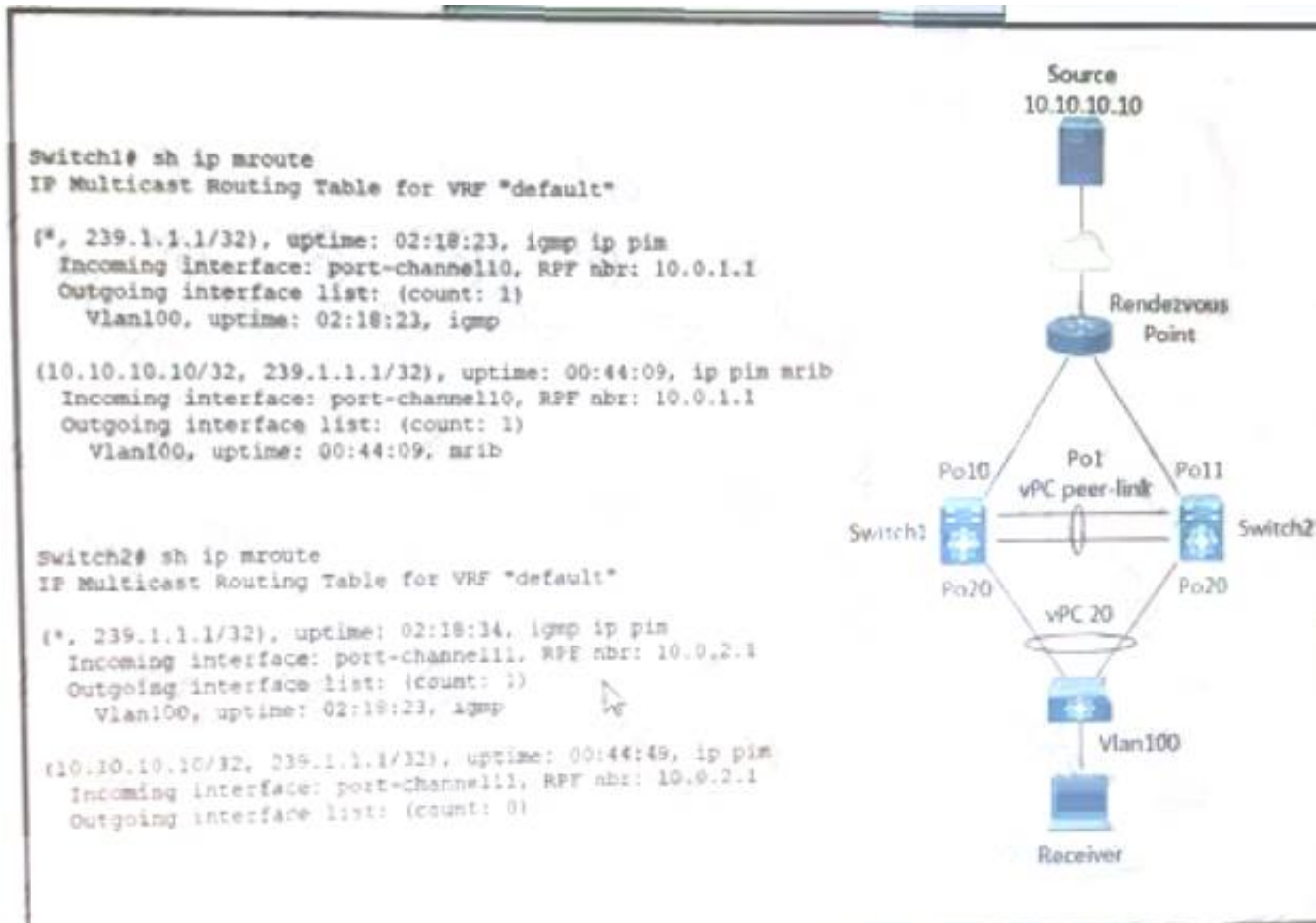
SVR-A in EPG-A/BD-A fails to reach SVR-B in EPG-B/BD-B. Which two conditions should be verified to analyze the traffic between the two EPGs? (Choose two.)

- A. A contract exists between EPG-A and EPG-B and allows the traffic.
- B. Limit Endpoint Learning is disabled on the bridge domain for EPG-B.
- C. SVR-B is learned as an endpoint in EPG-B from Node-112.
- D. EPG-A and EPG-B are excluded from the preferred group.
- E. The bridge domain for EPG-B floods ARP packets.

**Answer: AC**

#### NEW QUESTION 317

Refer to the exhibit.



A host with source address 10.10.10.10. sends traffic to multicast group 239.1.1.1. how do the vPC switches forward the multicast traffic?

- A. If multicast traffic is received on Po11 Switch2, the traffic is forwarded out only one Po20.
- B. If multicast traffic is received on Po10 Switch1, the traffic is forwarded out on Po1 and Po20.
- C. If multicast traffic is received on Po11 and Switch2, the traffic is dropped.
- D. If multicast traffic is received on Switch over the vPC peer-link, the traffic is dropped.

**Answer: C**

#### Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/multicast/214140-multicast-forwarding-in-vpc-based-on-loc.htm>

#### NEW QUESTION 320

What is a characteristic of the install all command on the cisco Nexus series switch?

- A. Upgrades only certain modules
- B. Automatically checks the image integrity
- C. Impact data plan traffic
- D. Continues the upgrade process if any step in the sequence fails

**Answer:** B

**Explanation:**

[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](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/b\\_Cisco\\_Nexus\\_3000\\_S](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/upgrade/7_x/b_Cisco_Nexus_3000_S)

**NEW QUESTION 324**

Which MAC address is an HSRP version 2?

- A. 0100.5E7F.FFFF
- B. 3799.9943.3000
- C. 0000.0C9F.F0C8
- D. 0000.0C07.AC1H

**Answer:** C

**NEW QUESTION 325**

Which data structure results from running this Python code?

```
>>> import json
>>> f = open('fname.json', 'r')
>>> var1 = json.load(f)
>>> var1
{'u'bd': u'bd1', u'ap': {u'eggs': [{u'name': u'app'}, {u'name': u'web'}, {u'name': u'db'}]}, u'name': u'OnlineStore', u'name': u'39106329', u'pvn': u'pvn1'}
```

- A. Set
- B. Tuple
- C. Dictionary
- D. List

**Answer:** A

**NEW QUESTION 326**

A network engineer must perform a backup and restore of the Cisco Nexus 5000 Series Switch configuration. The backup must be made to an external backup server. The only protocol permitted between the Cisco Nexus Series switch and the backup server is UDP. The backup must be used when the current working configuration of the switch gets corrupted. Which set of steps must be taken to meet these requirements?

- A. 1. Perform a running-config backup to an SFTP serve
- B. 2. Copy backup-config from the SFTP server to the running-config file.
- C. 1. Perform a startup-config backup to a TFTP serve
- D. 2. Copy backup-config from the backup server to the running-config file.
- E. 1. Perform a running-config backup to an SCP serve
- F. 2. Copy running-config in the boot flash to the running-config file.
- G. 1. Perform a startup-config backup to an FTP serve
- H. 2. Copy startup-config in the boot flash to the running-config file.

**Answer:** B

**Explanation:**

TFTP runs on UDP 69 = Is correct

**NEW QUESTION 331**

An engineer needs to make an XML backup of Cisco UCS Manager The backup should be transferred using an authenticated and encrypted tunnel and it should contain all system and service profiles configuration Which command must be implemented to meet these requirements?

- ☐ create file scp://user@host35/backups/all-config9.bak all-configuration
- ☐ copy startup-config scp://user@host35/backups/all-config9.bak all-configuration
- ☒ create backup scp://user@host35/backups/all-config9.bak all-configuration
- ☐ copy running-config scp://user@host35/backups/all-config9.bak all-configuration

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: C

**Explanation:**

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/cli/config/guide/1.4.1/CLI\\_Config\\_Guide\\_1\\_4\\_1](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1)

The following example creates a disabled all-configuration backup operation for hostname host35 and commits the transaction:

```
UCS-A# scope system
UCS-A /system* # create backup scp://user@host35/backups/all-config9.bak all-configuration disabled
Password:
UCS-A /system* # commit-buffer
UCS-A /system #
```

**NEW QUESTION 335**

An engineer must configure remote authentication on a Cisco UCS system. The user password must be encrypted before it is sent to the authentication server. The company security policy requires the server to be based on an open standard. Drag and drop the UCS CLI AAA configuration commands from the left into the order in which they must be implemented on the right. Not all commands are used.

commit-buffer	step 1
create server <ip address>	step 2
set key	step 3
scope radius	step 4
scope tacacs+	step 5
scope security	

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

```
UCS-A# scope security
UCS-A /security # scope radius
UCS-A /security/radius # create server radiusserv7
UCS-A /security/radius/server* # set key
UCS-A /security/radius/server* # commit-buffer
```

**NEW QUESTION 338**

Which two settings must be configured before enabling a Cisco UCS Manager domain for Cisco Intersight connectivity? (Choose two.)

- A. syslog redirection
- B. DNS servers
- C. SMTP servers
- D. NTP servers
- E. SMTP reply-to-address

Answer: BD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/4-1/b\\_Cisco\\_UCS\\_Admin\\_Mgmt\\_Guide\\_4-1/m\\_gui\\_cisco\\_intergight\\_management.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/4-1/b_Cisco_UCS_Admin_Mgmt_Guide_4-1/m_gui_cisco_intergight_management.html)

**NEW QUESTION 340**

An engineer must configure OSPF routing on Cisco Nexus 9000 Series Switches. The IP subnet of the Eth 1/2 interface for both switches must be advertised via OSPF. However, these interfaces must not establish OSPF adjacency or send routing updates. The current OSPF adjacency over the interface Eth1/1 on SW1 and Eth1/1 on SW2 must remain unaffected. Which configuration must be applied to both Nexus switches to meet these requirements?

- A. interface ethernet 1/2passive-interface default
- B. Interface ethernet 1/2lp ospf network point-to-point
- C. interface ethernet 1/2ip ospf passive-interface
- D. interface ethernet 1/2no ip ospf passive-Interface



Answer: C

NEW QUESTION 341

Which two statements about the process of performing an EPLD upgrade on a Cisco MDS 9000 series Switch are true? (Choose two.)

- A. If an upgrade is interrupted, the upgrade continues after a connection is restored.
- B. The upgrade can be performed from the standby supervisor module.
- C. The active supervisor can be upgraded.
- D. Modules must be online to be upgraded.
- E. The Upgrade process disrupts only the module that is being upgraded.

Answer: DE

Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8\\_x/release\\_notes/epld/epld\\_rn\\_8x.htm](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/release_notes/epld/epld_rn_8x.htm) Graphical user interface, text, application, email Description automatically generated

"On a Cisco Nexus 9500 platform switch that has two supervisor modules, upgrade the EPLDs for the standby supervisor and then switch the active supervisor to the standby mode to upgrade its EPLDs. The supervisor switchover is not disruptive to traffic on Cisco Nexus 9500 platform switches. On a switch that has only one supervisor module, you can upgrade the active supervisor, but this will disrupt its operations during the upgrade."

Guidelines and Limitations

When you upgrade or downgrade the EPLDs, observe the following guidelines and limitations:

- You can upgrade each module only when it is online. The EPLD upgrade is only disruptive to the module being upgraded.
- If you interrupt an EPLD upgrade or downgrade, the module must be upgraded again.
- In Cisco MDS 9000 Director Switches, EPLD upgrade or downgrade can only be executed from the active supervisor module. To upgrade the supervisor EPLDs nondisruptively, upgrade the standby supervisor and then switchover. After the new standby supervisor is online its EPLDs can be upgraded.
- In Cisco MDS 9000 Series Fabric Switches, be sure to specify 1 as the module number. The switch must be power cycled for the EPLDs to start running the new code.

Under Installation guidelines. [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/92x/epld-rn/nxos\\_n9K\\_epldRN\\_924.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/92x/epld-rn/nxos_n9K_epldRN_924.html)

NEW QUESTION 346

Refer to the exhibit.

```
switch# show install all impact epld n9000-epld.9.2.1.img
Compatibility check:
Module      Type      Upgradable  Impact      Reason
-----
1           SUP        YES         disruptive   Module Upgradable

Retrieving EPLD versions... Please wait.

Images will be upgraded according to following table:
Module      Type      EPLD          Running-Version  New-Version  Upg-Required
-----
1           SUP      MI FPGA       0x23            0x23         No
1           SUP      IO FPGA       0x06            0x06         No
1           SUP      MI FPGA2      0x23            0x23         No
```

A network engineer plans to upgrade the current software images of a Cisco Nexus switch. What is the impact of starting the EPLD upgrade?

- A. The switch reboots one time for the new EPLD versions to take effect.
- B. The switch reboots multiple times for the new EPLD versions to take effect.
- C. The switch skips the EPLD upgrade for each EPLD device of the switch.
- D. The switch skips the EPLD upgrade for MIFPGA and proceeds with the other EPLD devices.

Answer: C

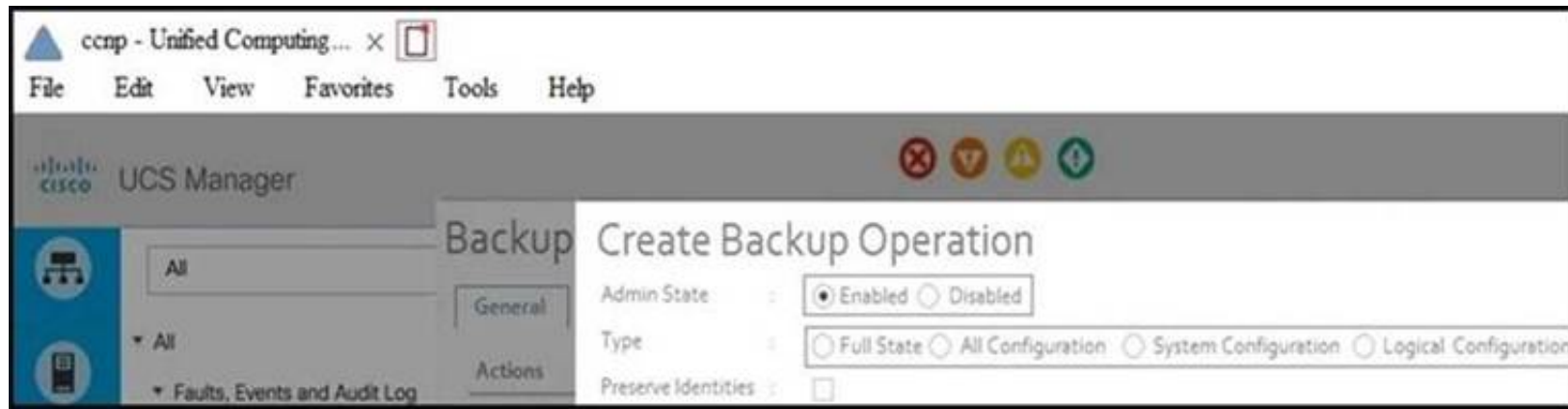
Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/92x/epld-rn/nxos\\_n9K\\_epldRN\\_924.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/92x/epld-rn/nxos_n9K_epldRN_924.html).

NEW QUESTION 349

Refer to the exhibit.





Which backup operation type does not include the Preserve Identities feature?

- A. logical configuration
- B. system configuration
- C. full state
- D. all configuration

**Answer: C**

**Explanation:**

This checkbox remains selected for All Configuration and System Configuration. Full State backup does not have Preserver Identity feature.

All configs, logical and system backups seem to allow "preserve identities":

<https://books.google.pt/books?id=5VXUDwAAQBAJ&pg=PT699&lpg=PT699&dq=Preserve+Identities+feature+backup+ucs&source=bl&ots=daWxti4DV&sig=ACfU3U3X8UIPtS8EewzRIqTxqpyNVqOaNQ&hl=es419&sa=X&ved=2ahUKEwiYhtaxyMDqAhXFzIUkHXI8CzoQ6AEwC3oECAoQAQ#v=onepage&q=Preserve%20Identities%20feature%20backup%20ucs&f=false>

**NEW QUESTION 352**

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.

**Answer: C**

**Explanation:**

[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.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&rct=j&url=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&ved=2ahUKEwjQ8ubTuK3xAhWm3jgGHZ9gB0oQFjAAegQIBRAC&usg=AOvVaw2j0nnvXiChAoVoovX2Qx0g](https://www.google.com/url?sa=t&source=web&rct=j&url=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&ved=2ahUKEwjQ8ubTuK3xAhWm3jgGHZ9gB0oQFjAAegQIBRAC&usg=AOvVaw2j0nnvXiChAoVoovX2Qx0g)

**NEW QUESTION 356**

A host EPG Client wants to talk to a webserver in EPG Web. A contract with default settings is defined between EPG Client and EPG Web, which allows TCP communication initiated by the client toward the webserver with TCP destination port 80. Which statement is true?

- A. If EPG Web is made a preferred group member, a contract between EPG Client and EPG Web is no longer required for the host in EPG Client to reach the webserver in EPG Web.
- B. If vzAny is configured to consume and provide a "deny all" contract, traffic between EPG Client and EPG Web is no longer allowed.
- C. The host in EPG Client is allowed to connect to TCP destination port 80 on the webserver in EPG Web. The webserver will not be allowed to initiate a separate TCP connection to a host port with TCP source port 80.
- D. The host in EPG Client is allowed to connect to TCP destination port 80 on the webserver in EPG Web. The webserver is allowed to initiate a separate TCP connection to a host port with TCP source port 80.

**Answer: D**

**Explanation:**

Apply Both Direction and Reverse Filter Port in the subject for the filter. These two options are by default enabled...This means that if the provider EPG initiates traffic toward the consumer EPG, the Cisco ACI fabric allows it for any destination ports if the source port is 80.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_01000.html)

Reverse filter and apply in both directions is default.

If a filter allows traffic from any consumer port to a provider port (e.g. 8888), if reverse port filtering is enabled and the contract is applied both directions (say for TCP traffic), either the consumer or the provider can initiate communication. The provider could open up a TCP socket to the consumer using port 8888, whether the provider or consumer sent traffic first. [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating\\_ACI/guide/b\\_Cisco\\_Operating\\_ACI/b\\_Cisco\\_Operating\\_ACI\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_01000.html)

**NEW QUESTION 360**

Refer to the exhibit. A network engineer must configure an authentication solution for Cisco UCS with these conditions:

- Two-factor authentication must be enabled for all UCS user authentication.
- All AAA packets must be encrypted and use TCP port 49 to establish communication. Which set of actions needs these requirements?

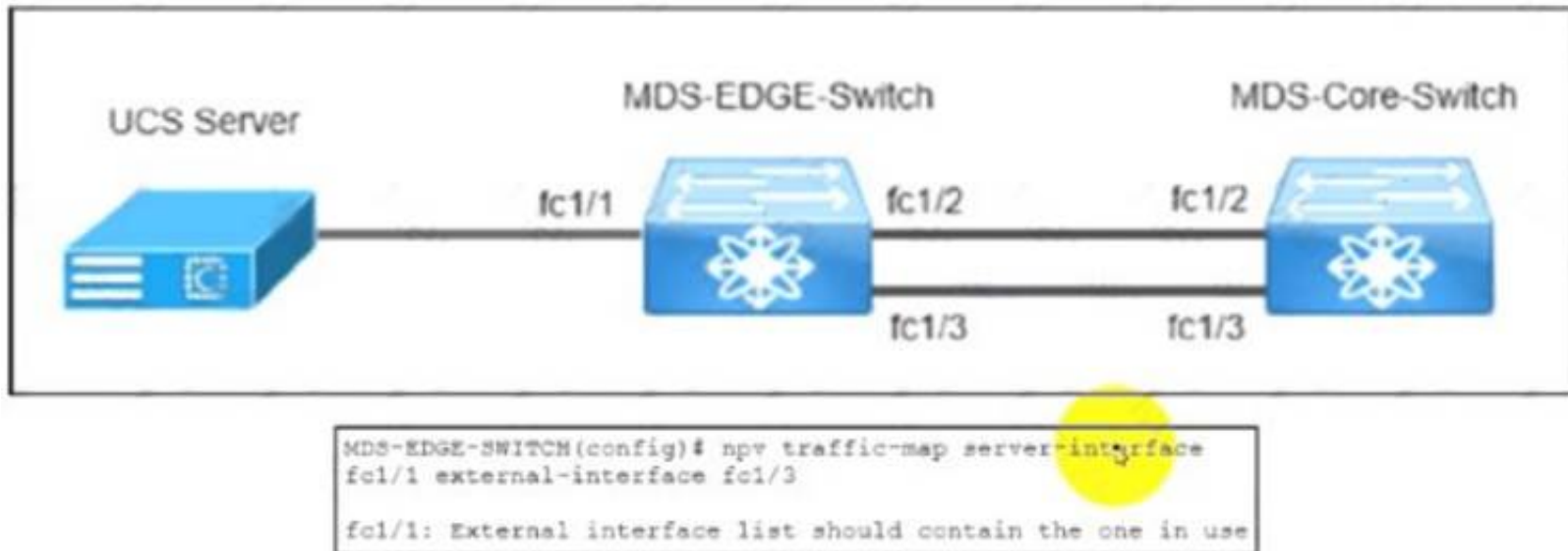
- A. Create the LDAP provider. Change the LDAP group rule in an LDAP provider.
- B. Create the RADIUS group mapping. Change the RADIUS group rule in a RADIUS provider.
- C. Remove the LDAP provider. Create a TACACS+ provider in user management.

D. Delete the LDAP group mapping. Create a RADIUS provider in user management.

**Answer: C**

#### NEW QUESTION 362

Refer to the exhibit.



The MDS-EDGE-Switch and MDS-Core-Switch are configured with NPV and NPIV features. The FLOGI from Cisco UCS is received by the MDS-Core-Switch on interface fc1/2. An engineer tried to move all traffic between the MDS-EDGE-Switch and MOS-Core-Switch from interface fc 1/2 to fc1/3, but the attempt failed. Which set of actions completes the configuration?

- ☐ Disable the NPV feature in the MDS-EDGE-Switch.  
Re-enable the NPV feature.  
Disable interface fc1/1.
- ☐ Disable the NPIV feature in the MDS-EDGE-Switch.  
Re-enable the NPIV feature.  
Disable interface fc1/3.
- ☐ Shut down fc1/1 in the MDS-EDGE-Switch.  
Re-apply the command.  
Enable interface fc1/1.
- ☐ Shutdown fc1/3 in the MDS-EDGE-Switch.  
Re-apply the command.  
Enable interface fc1/3.

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

**Answer: C**

#### NEW QUESTION 367

A network engineer must download a firmware image from a remote location to a Cisco UCS Fabric Interconnect. The software bundle is over 232 MB in size. The file transfer must use encryption and authentication. Which protocol must be used to accomplish this goal?

- A. RDP
- B. HTTPS
- C. SCP
- D. TFTP

**Answer: C**

#### NEW QUESTION 372

An engineer needs to perform a backup of user roles and locales from Cisco UCS Manager to replicate the setting to a different fabric interconnect. The engineer wants to review the file before importing it to a target fabric interconnect. Which backup type must be selected to meet these requirements?

- A. all configuration
- B. system configuration
- C. logical configuration
- D. full state

**Answer: B**

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem)

- **System configuration**—An XML file that includes all system configuration settings such as **usernames, roles, and locales**. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.

#### NEW QUESTION 375

An engineer must perform an initial configuration of VXLAN Tunnel End-Point functionality on the Cisco Nexus 9000 Series platform. All the necessary features are already enabled on the switch. Which configuration set must be used to accomplish this goal?

- ☐ NX9K(config)# interface loopback0  
NX9K(config-if)# ip address 10.10.10.11/32  
  
NX9K(config)# interface overlay0  
NX9K(config-if-overlay)# source-interface loopback0  
  
NX9K(config)# interface VLAN10  
NX9K(config-if-nve)# source-interface loopback0
- ☐ NX9K(config)# interface loopback0  
NX9K(config-if)# ip address 10.10.10.11/32  
  
NX9K(config)# interface tunnel1  
NX9K(config-if)# tunnel source loopback0  
  
NX9K(config)# interface ethernet1/1  
NX9K(config-if)# ip unnumbered loopback0
- ☐ NX9K(config)# interface loopback0  
NX9K(config-if)# ip address 10.10.10.11/32  
  
NX9K(config)# interface nve1  
NX9K(config-if-nve)# source-interface loopback0  
  
NX9K(config)# interface ethernet1/1  
NX9K(config-if)# ip unnumbered loopback0
- ☐ NX9K(config)# interface loopback0  
NX9K(config-if)# ip address 10.10.10.11/32  
  
NX9K(config)# interface VLAN10  
NX9K(config-if)# ip unnumbered loopback0  
  
NX9K(config)# interface nve1  
NX9K(config-if-nve)# source-interface loopback0

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

**Answer:** D

#### NEW QUESTION 379

Which behavior defines streaming telemetry as a push model in Cisco devices?

- A. Monitoring clients are pulling data from the network to see real-time statistics
- B. JSON encoded telemetry data is transported using the gRPC protocol
- C. The network devices send data in JSON or GPB format to configured endpoints
- D. Events and network changes generate telemetry data

**Answer:** D

#### Explanation:

<https://developer.cisco.com/docs/ios-xe/#!streaming-telemetry-quick-start-guide/streaming-telemetry>

#### NEW QUESTION 384

A network architect must redesign a data center on OSPFv2. The network must perform fast reconvergence between directly connected switches. Which two actions must be taken to meet the requirement? (Choose two)

- A. Configure all links on AREA 0.
- B. Implement a virtual link between the switches.
- C. Use OSPF point-to-point links only.
- D. Set low OSPF hello and DEAD timers.
- E. Enable BFD for failure detection.

**Answer:** CD

#### NEW QUESTION 385

A Cisco Nexus 7000 Series switch runs VXLAN, and interface Ethernet 7/30 is configured as a trunk port. Which command set configures the switch to act as a gateway for VLAN 50?

```
interface Ethernet7/30 no switchport
no shutdown
service instance 1 vni no shutdown
```

- A. encapsulation profile VSI\_50\_TO\_500 default



- B. encapsulation profile vni VSI\_50\_TO\_500 dot1q 500 vni 50bridge-domain 500member vni 50 interface Vlan500ip address 10.50.50.51/24  
C. encapsulation profile vni VSI\_50\_TO\_500 dot1q 500 vni 50bridge-domain 500member vni 50 interface Bdi500jp address 10.50.50.51/24  
D. encapsulation profile vni VSI\_50\_TO\_500 dot1q 50 vni 500bridge-domain 50member vni 500 interface Bdi50ip address 10.50.50.51/24  
E. encapsulation profile vni VSI\_50\_TO\_500 dot1q 50 vni 500bridge-domain 50member vni 500 interface Vlan50ip address 10.50.50.51/24

**Answer:** C

#### NEW QUESTION 388

Refer to the exhibit.

```
vlan 10
 fcoe vsan 10

interface ethernet 1/3
 spanning-tree port type edge trunk
 switchport mode trunk
 switchport trunk allowed vlan 1, 10
```

An engineer must configure FCoE on a Cisco Nexus switch. Which two command sets complete this configuration? (Choose two.)

- ☒ interface vfc 10  
bind interface fcoe-vfc 1/3  
no shut
- ☐ vsan database  
vsan 10 interface ethernet 1/3
- ☒ interface fcoe 10  
bind interface ethernet 1/3  
no shut
- ☐ interface vfc 10  
bind interface ethernet 1/3  
no shut
- ☐ vsan database  
vsan 10 interface vfc 10

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

**Answer:** DE

#### Explanation:

```
switch# configure terminal
```

```
switch(config)# vsan database
```

```
switch(config-vsan)# vsan 2 interface vfc 4
```

This example shows how to bind a virtual Fibre Channel interface to an Ethernet interface:

```
switch# configure terminal
```

```
switch(config)# interface vfc 4
```

```
switch(config-if)# bind interface ethernet 1/4
```

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/421\\_n1\\_1/b\\_Cisco\\_n5k\\_fcoe\\_config\\_gd\\_re\\_421\\_n1\\_1/Cisco\\_n5k\\_fcoe\\_config\\_gd\\_re\\_421\\_n1\\_1\\_chapter4.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/421_n1_1/b_Cisco_n5k_fcoe_config_gd_re_421_n1_1/Cisco_n5k_fcoe_config_gd_re_421_n1_1_chapter4.html)

#### NEW QUESTION 392

A customer undergoes an IT security review assessment. The auditor must have read-only access to the Cisco Nexus 9000 Series Switch to perform the



configuration review. The customer implements this security role for the auditor:

role name audit

rule 1 permit command \* rule 2 - Output omitted username auditor password C4SAFF0B96EB0045\$c0 role audit Which configuration snippet must complete the configuration?

- A. deny command write\*
- B. permit command enable
- C. permit command show \*
- D. deny command configure terminal

**Answer:** D

#### NEW QUESTION 393

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.

**Answer:** BC

#### Explanation:

POAP is an automatic provisioning and zero-touch deployment feature that assists device owners in the initial deployment and configuration of Nexus switches.

The feature works by checking for a local configuration script. If the script has been deleted, the switch has been reset to factory settings, or this is the first boot-up, the POAP daemon will connect to a preset list of servers to download an initial configuration file.

To perform this operation, the switch must first obtain an IP address from a local DHCP server. POAP configuration settings can also be passed through the DHCP response.

Which conditions should be verified, so they need to be TRUE. Like no startup (A) and bootup (B). C means that it needs to miss a license file and E means it needs to miss an NX-OS image.

#### NEW QUESTION 397

An engineer is implementing NetFlow on a Cisco Nexus 7000 Series Switch. Drag and drop the NetFlow commands from the left into the correct order they must be entered on the right.

N7K-1(config)# interface <interface> N7K-1(config-if)# ip flow monitor NetflowMonitor input	Step 1
N7K-1(config)# feature netflow	Step 2
N7K-1(config)# flow exporter NetflowMonitor N7K-1(config)# flow record NetflowMonitor	Step 3
N7K-1(config)# flow monitor NetflowMonitor	Step 4

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

- 1- feature netflow
- 2- flow exporter
- 3- flow monitor
- 4- interface<interface>

#### NEW QUESTION 401

An engineer implements an ACI fabric and must implement microsegmentation of endpoints within the same IP subnet using a network-based attribute. The attribute mapping must allow IP subnet independence. Which attribute must be selected?

- A. MAC address
- B. Custom
- C. Tag
- D. IP

**Answer:** D

#### Explanation:

If you want to use a network-based attribute and classify IP addresses in the same subnet, you must use the MAC-based network attribute. IP-based microsegmented EPGs do not support classification for IP addresses in the same subnet.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/3-x/virtualization/b\\_ACI\\_Virtualization\\_](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/3-x/virtualization/b_ACI_Virtualization_)

#### NEW QUESTION 406

An engineer must use the Embedded Event Manager to monitor events that occur on a cisco Nexus 9000 series switch. An environment variable needs to be created so that several policies use the monitored events in in their actions. The external email server is represented by IP address 10.10.10.10. which command

sets the environment variable?

- A. N9k2(config)# event manager policy environment mallserver "10.10.10.10"
- B. N9k2# event manager environment mallserver "10.10.10.10"
- C. N9k2 (config-apple1)# environment mallserver "10.10.10.10"
- D. N9k2 (config)# event manager environment mallserver "10.10.10.10"

**Answer: D**

**Explanation:**

To set an Embedded Event Manager (EEM) environment variable, use the event manager environment command in global configuration mode. To disable an EEM environment variable, use the no form of this command. <https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/eem/command/eem-cr-book/eem-cr-e1.html>

**NEW QUESTION 411**

A Cisco UCS C-Series server is installed at a data center. The server should be managed by the Cisco UCS Manager by using a single cable for management and data traffic. Which configuration should be applied after the Physical connection is established?

- A. UCS-A# scope server 1 UCS-A /server# scope cimcUCS-A /server/cimc # scope mgmt-conn sidebandUCS-A /server/cimc # mgmt-conn-state enabled UCS-A /server/cimc/mgmt-conn\* # commit-buffer
- B. UCS-A# scope chassis 1 UCS-A /chassis# scope cimcUCS-A /chassis/cimc # scope mgmt-conn sidebandUCS-A /chassis/cimc/mgmt-conn # mgmt-conn-state enabled UCS-A /chassis/cimc/mgmt-conn\* # commit-buffer
- C. UCS-A# scope chassis 1 UCS-A /chassis# scope cimcUCS-A /chassis /cimc # set mgmt-conn-state enabled UCS-A /chassis /cimc/mgmt-conn\* # commit-buffer
- D. UCS-A# scope server 1 UCS-A /server# scope cimcUCS-A /server/cimc # scope mgmt-conn sidebandUCS-A /server/cimc/mgmt-conn #set mgmt-conn-state enabled UCS-A /server/cimc/mgmt-conn\* # commit-buffer

**Answer: D**

**Explanation:**

Example

UCS-A# scope server 1 UCS-A /server # scope cimc

UCS-A /server/cimc # scope mgm

UCS-A /server/cimc # scope mgmt-conn

UCS-A /server/cimc # scope mgmt-conn sideband

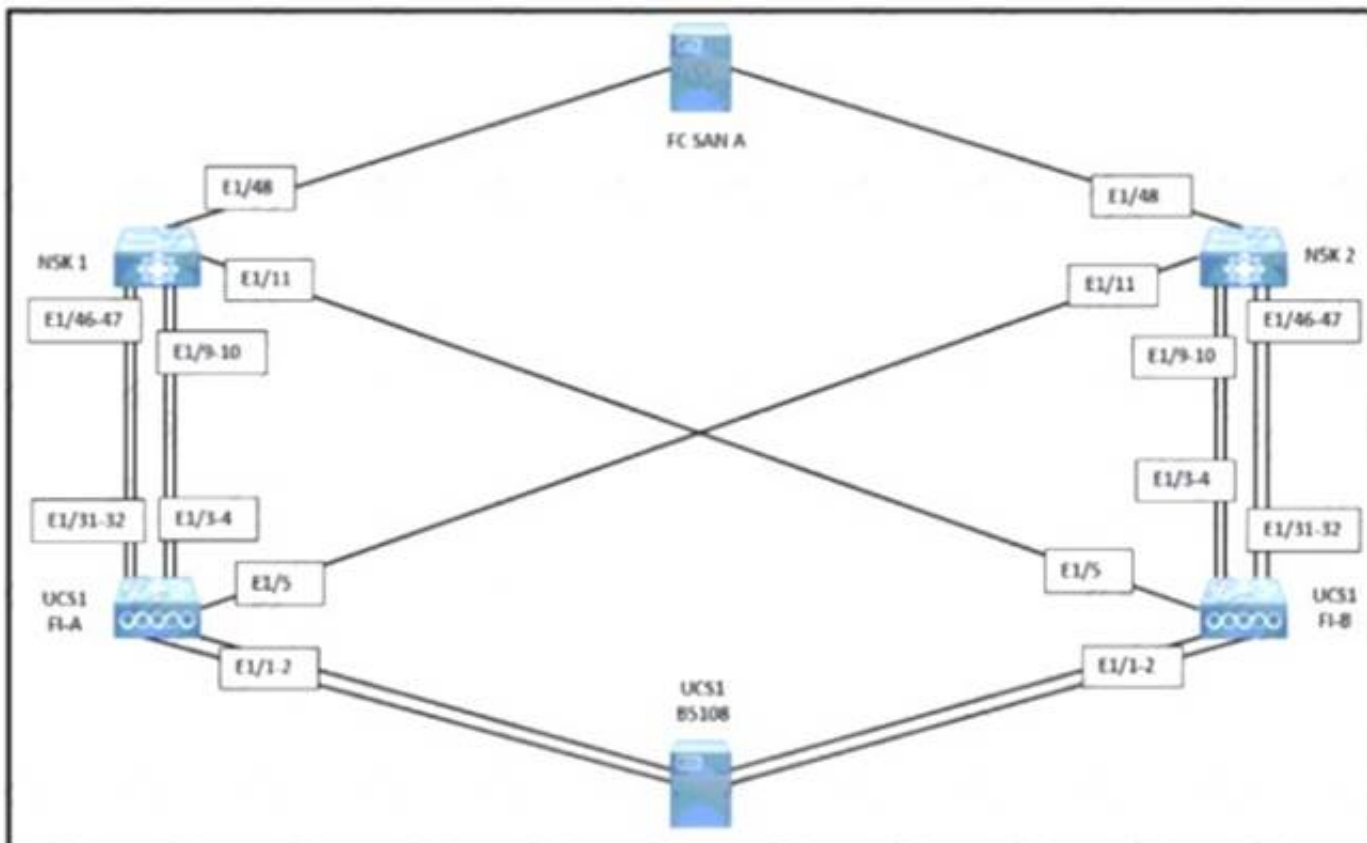
UCS-A /server/cimc/mgmt-conn # set mgmt-conn-state enabled UCS-A /server/cimc/mgmt-conn\* # commit-buffer

UCS-A /server/cimc/mgmt-conn

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/c-series\\_integration/ucsm3-1/b\\_C-Series-Integration\\_UCSM3-1/b\\_C-Series-Integration\\_UCSM3-1\\_chapter\\_010.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c-series_integration/ucsm3-1/b_C-Series-Integration_UCSM3-1/b_C-Series-Integration_UCSM3-1_chapter_010.html)

**NEW QUESTION 412**

Refer to the exhibit.



A network engineer must configure port E1/31- 32 to forward only storage server traffic of VLAN 200 on Cisco fabric interconnects A and B. Port E1/31- 32 is not reserved for any other traffic. Which port type must be configured to accomplish this goal?

- A. unified uplink
- B. uplink
- C. FCoE uplink
- D. FCoE storage

**Answer: C**

**NEW QUESTION 414**

Which adjacency server configuration makes two OTV edge devices located in the same site bring up the dual-site adjacency?

- A)

Nexus-1:

```
interface Ethernet1/2
ip address 20.1.1.1/24
```

```
interface Overlay200
otv use-adjacency-server 20.1.1.2 unicast-only
otv join-interface Ethernet1/2
```

Nexus-2:

```
interface Ethernet1/2
ip address 20.1.1.2/24
```

```
interface Overlay200
otv use-adjacency-server 20.1.1.1 unicast-only
otv join-interface Ethernet1/2
```

B)

Nexus-1:

```
interface Ethernet1/2
ip address 20.1.1.1/24
```

```
interface Overlay200
otv adjacency-server unicast-only
otv join-interface Ethernet1/2
```

Nexus-2:

```
interface Ethernet1/2
ip address 20.1.1.2/24
```

```
interface Overlay200
otv join-interface Ethernet1/2
otv adjacency-server unicast-only
otv use-adjacency-server 20.1.1.1 unicast-only
```

C)

Nexus-1:

```
interface Ethernet1/2
ip address 20.1.1.1/24
```

```
interface Overlay200
otv adjacency-server unicast-only
otv join-interface Ethernet1/2
```

Nexus-2:

```
interface Ethernet1/2
ip address 20.1.1.2/24
```

```
intevrface Overlay200
otv adjacency-server unicast-only
otv join-interface Ethernet1/2
```

D)



Nexus-1:

```
interface Ethernet1/2
ip address 20.1.1.1/24
```

```
interface Overlay200
otv adjacency-server unicast-only
otv join-interface Ethernet1/2
```

Nexus-2:

```
interface Ethernet1/2
ip address 20.1.1.2/24
```

```
intevrface Overlay200
otv adjacency-server unicast-only
otv join-interface Ethernet1/2
```

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

Answer: B

#### NEW QUESTION 416

Refer to the exhibit.

```
1.130599 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=53
Win=32449 Len=0
1.136261 00:8e:73:a2:41:0e -> Spanning-tree-(for-bridges)_00 STP 60 Conf. Root =
8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x800e
1.373417 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
1.570377 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=105
Win=32786 Len=0
1.815558 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
2.021840 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=157
Win=32773 Len=0
2.525173 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
2.731382 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=209
Win=32760 Len=0
2.947365 192.168.254.13 -> 192.168.254.1 NTP 90 NTP Version 2, client
2.947623 192.168.254.1 -> 192.168.254.13 NTP 90 NTP Version 2, server
3.138157 00:8e:73:a2:41:0e -> Spanning-tree-(for-bridges)_00 STP 60 Conf. Root =
8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x800e
3.139400 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
3.270728 192.168.254.4 -> 239.255.70.83 UDP 166 Source port: cfs Destination port:
cfs
3.341123 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=261
Win=32747 Len=0
3.835409 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
4.041411 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=313
Win=32734 Len=0
4.535284 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
4.741072 192.168.254.1 -> 192.168.254.13 TCP 60 29652 > ssh [ACK] Seq=1 Ack=365
Win=32721 Len=0
4.947308 192.168.254.13 -> 192.168.254.1 NTP 90 NTP Version 2, client
4.947519 192.168.254.1 -> 192.168.254.13 NTP 90 NTP Version 2, server
5.139627 00:8e:73:a2:41:0e -> Spanning-tree-(for-bridges)_00 STP 60 Conf. Root =
8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x800e
5.140867 192.168.254.13 -> 192.168.254.1 SSH 106 Encrypted response packet len=52
```

Cisco Fabric Services is enabled in the network. Which type of IP address is used by the Cisco Fabric Services protocol?

- A. IPv4 unicast address
- B. IPv4 multicast address
- C. IPv4 gateway address
- D. IPv4 anycast address

Answer: B

#### NEW QUESTION 421

An engineer must configure a monitoring solution for a Cisco Nexus 9000 Series Switch based data center. The solution must provide real-time insight into the network health with subscription-based monitoring. The monitoring must be initiated from the client side, and the data must be sent via encryption. Which configuration steps complete the configuration?



- ☐ Set the telemetry feature on the Nexus switch.  
Specify a certificate for telemetry transport.  
Configure a sensor group and destination.
- ☒ Enable GRPC on the Nexus switch.  
Generate a certificate.  
Configure gNMI inputs in Telegraf and output to InfluxDB.
- ☐ Configure Grafana on the Nexus switch.  
Specify the logging certificate.  
Enable syslog level 7 export to Grafana.
- ☐ Activate SNMPv3 on the Nexus switch.  
Set the globalEnforcePriv parameter.  
Configure an SNMP agent to poll information.

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

**Answer:** A

#### NEW QUESTION 424

A network engineer must create a script to quickly verify IP reachability for multiple hosts using ping from the Cisco NX-OS switches. The script should use the management VRF and exit the shell after execution Which script should be used to achieve this objective?

- ☐

```
tclsh
foreach address {
  192.168.254.1
  192.168.254.2
  192.168.254.3
  192.168.254.4
} {ping $address source 192.168.254.254
}
tclquit
```
- ☐

```
tclsh
foreach address {
  192.168.254.1
  192.168.254.2
  192.168.254.3
  192.168.254.4
} {ping $address source 192.168.254.254
}
```
- ☐

```
tclsh
foreach address {
  192.168.254.1
  192.168.254.2
  192.168.254.3
  192.168.254.4
} {ping $address vrf management source 192.168.254.254
}
```
- ☒

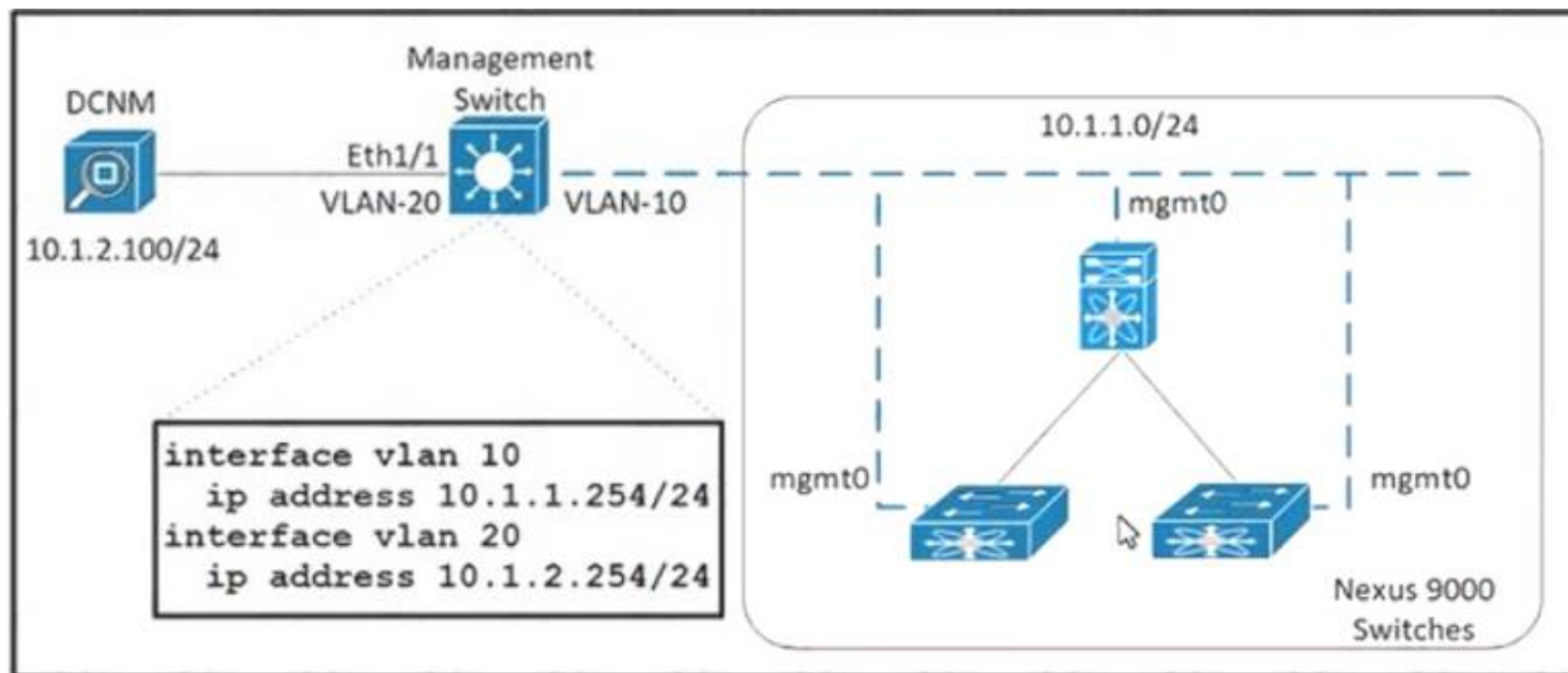
```
tclsh
foreach address {
  192.168.254.1
  192.168.254.2
  192.168.254.3
  192.168.254.4
} {cli ping $address vrf management source 192.168.254.254
}
tclquit
```

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

**Answer:** D

#### NEW QUESTION 425

Refer to the exhibit.



An engineer must deploy 70 Cisco Nexus 9000 Series Switches in a new environment. The requirement is to use Cisco DCNM as a management tool to deploy, manage and monitor the new switches. In addition, DCNM is configured with a zero-touch POAP feature to facilitate fabric creation. Which action meets these requirements?

- A. Configure SNMP on the new Nexus switches to send SNMP messages to the DCNM server
- B. Create a SPAN session on the management switch to send the traffic from VLAN 10 to Ethernet 1/1.
- C. Configure an IP helper address on interface VLAN 10 of the management switch
- D. Create common credentials on all of the new Nexus switches

**Answer: C**

#### NEW QUESTION 427

An engineer configures an intersight virtual application and must claim over 200 targets. The engineer starts the Claim target procedure. The engineer has prepared this initial comma-separated value file to provision the targets:

```

UCSFI,10.1.1.3,user-1,pwd5516b917
IMC,10.1.1.5/26,user-2,pwdc65b1c43f
HX,10.1.2.1/30,user-3,pwd39860437
UCSD,1.1.1.1,user-4,pwd5003c9d5
  
```

Which information must be included in the comma-separated value file to provision the targets?

- A. FQDN, AD name, IP address, email
- B. location, address, name
- C. password
- D. certificate, user name, password
- E. email
- F. target type, hostname or IP address, user name, password

**Answer: A**

#### NEW QUESTION 430

An engineer must allow communication between the APIC controller and an OpenStack OpFlex agent. The agent is running on a compute node directly plugged to a Cisco ACI leaf switch. The engineer must enable and extend Infra VLAN on the port facing the compute and extend the Infra VLAN to the host. Which action must be taken to meet these requirements?

- A. Enable the Infra VLAN on the Interface Profile policy
- B. Enable the Infra VLAN on the Attachable Access Entity Profile.
- C. Add the infra VLAN via the physical domain.
- D. Add the infra VLAN via the VMM domain.

**Answer: C**

#### NEW QUESTION 431

Refer to the exhibit.

An engineer must configure a Fibre Channel device alias named TEST for a device attached to port fc1/9 of a Cisco Nexus Series Switch. Which command set completes the configuration?

A)

```

SITE-A-MDS-Fabric-A# configure terminal
SITE-A-MDS-Fabric-A (config)# device-alias database
SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwwn 50:00:14:42:d0:0c:f5:20
SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias commit
  
```

B)

```
SITE-A-MDS-Fabric-A# configure terminal
SITE-A-MDS-Fabric-A (config)# device-alias database
SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwwn 50:00:14:42:d0:0c:f5:20
SITE-A-MDS-Fabric-A (config-device-alias-db)# exit
```

C)

```
SITE-A-MDS-Fabric-A# configure terminal
SITE-A-MDS-Fabric-A (config)# device-alias database
SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias name TEST pwwn 50:00:14:40:47:b0:0c:f5
SITE-A-MDS-Fabric-A (config-device-alias-db)# exit
```

D)

```
SITE-A-MDS-Fabric-A# device-alias database
SITE-A-MDS-Fabric-A (device-alias-db)# device-alias name TEST pwwn 50:00:14:40:47:b0:0c:f5
SITE-A-MDS-Fabric-A (config-device-alias-db)# device-alias commit
```

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

**Answer:** B

#### NEW QUESTION 435

A customer has a requirement to deploy a cloud service and needs to have full control over the underlying OS, data and application. Which cloud model meets this requirement?

- A. PaaS
- B. MaaS
- C. IaaS
- D. SaaS

**Answer:** C

#### Explanation:

Traditional IT is responsible for Application, Data, Runtime, Middleware, OS, Virtualization, Servers, Storage, Networking. IaaS = Infrastructure as a Service - is responsible for OS, Virtualization, Servers, Storage, Networking. SaaS = Software as a Service - Software deployed by the cloud provider - is responsible for nothing. PaaS = Platform as a Service - Software can be deployed by the customer building their own application | is responsible for Data and Application.

#### NEW QUESTION 437

A network engineer must determine the cooling requirements for a Cisco UCS C-Series Rack Server. The server with PCIe cards is configured with a fan configuration policy. Which configuration should be used for the fan policy of the server?

```
server # scope chassis
server /chassis # scope fan-policy
server /chassis/fan-policy # set fan-policy high-power
server /chassis/fan-policy* # commit
```

```
server # scope chassis
server /chassis # scope fan-policy
server /chassis/fan-policy # set fan-policy balanced
server /chassis/fan-policy* # commit
```

```
server # scope server
server /server # scope fan-policy
server /server /fan-policy # set fan-policy acoustic
server /server /fan-policy* # commit
```

```
server # scope server
server /server # scope fan-policy
server /server /fan-policy # set fan-policy low-power
server /server /fan-policy* # commit
```

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

**Answer:** A



NEW QUESTION 442

A network engineer must configure a Fibre Channel interface on the Cisco MDS 9000 Series Switch The configuration must meet these requirements

- The interface must be disabled when the bit errors threshold is exceeded
- Buffer-to-buffer credits must be set to the maximum value
- The interface must have full bandwidth allocated for its port group

Which command set configures a Fibre Channel interface that meets these requirements?

- A.
- ```
interface fc1/1
switchport bit-errors
switchport fcrxbbcredit 220 mode Fx
switchport rate-mode dedicated
```
- B.
- ```
interface fc1/1
switchport ignore bit-errors
switchport fcrxbbcredit 255 mode Fx
no switchport rate-mode
```
- C.
- ```
interface fc1/1
no switchport ignore bit-errors
switchport fcrxbbcredit 255 mode Fx
switchport rate-mode dedicated
```
- D.
- ```
interface fc1/1
no switchport bit-errors
switchport fcrxbbcredit 220 mode Fx
no switchport rate-mode
```

Answer: A

NEW QUESTION 447

Drag and drop the characteristics from the left onto the NAS protocols on the right. Some characteristics are used more than once

used to boot VHDX files

used to boot VMDK files

uses lease-based model for file locking

used to provide shared storage for hypervisors

NFS

SMB/CIFS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Diagram Description automatically generated

- NFS:
- Used to boot VMDK files
  - Uses lease-based model for file locking
  - Used to provide shared storage for hypervisors
- SMB/CIFS:
- Used to boot VHDX files
  - Used to provide shared storage for hypervisors

NEW QUESTION 452

A network administrator must create a Linux container on a Cisco Nexus Series Switch. The container requires 10 percent of the CPU of the switch and 1024 MB of RAM to run successfully. Which task provides the necessary resources?

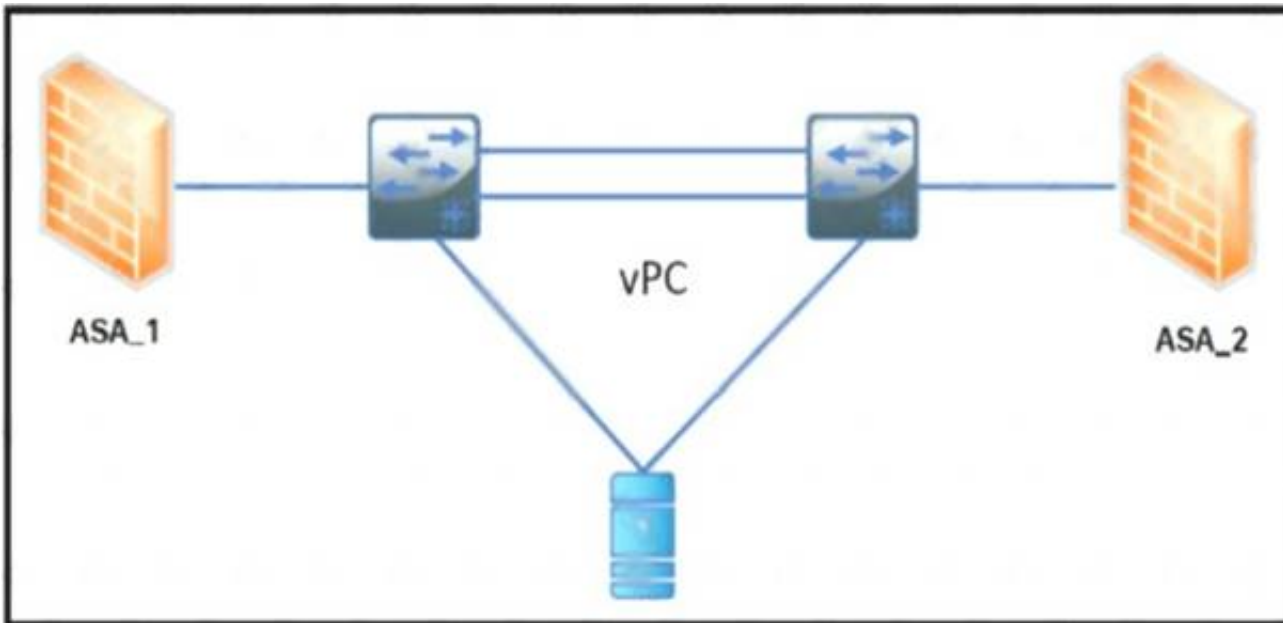
- A. Edit the container properties with the guestshell run command.
- B. Increase the compute resources with the guestshell resize command.
- C. Enable the Bash shell of the switch with the feature bash command
- D. Modify resource allocation with the virtual-service resize command.



Answer: B

#### NEW QUESTION 453

Refer to the exhibit



The ASA 1 acts as a Layer 3 gateway for all servers. The servers lose the gateway connectivity when the vPC peer links go down and the vPC keepalive remains up. Which action improves the high availability in the network?

- A. Create a static port channel with two links from each firewall to the switch
- B. Activate the vPC orphan-port suspend feature on the switch ports connected to the firewall
- C. Implement the IP reoVect feature on the vPC devices
- D. Enable the vPC peer gateway feature on the vPC devices

Answer: D

#### NEW QUESTION 456

An engineer must implement access control for Cisco UCS Manager. The configuration must meet these requirements.

- > All users and user groups must be configured using Active Directory.
- > User1 must have full access to the storage operations configuration.

Which action must be performed on Cisco UCS to meet the requirements?

- A. Create a custom role for the user and RADIUS for the role-mapping for Active Directory.
- B. Execute a built-in role for the user and LDAP for the role-mapping for Active Directory.
- C. Create a custom role for the user and LDAP for the role-mappings for Active Directory.
- D. Execute a built-in role for the user and RADIUS for the role-mapping for Active Directory.

Answer: B

#### NEW QUESTION 461

Refer to the exhibit.

```
import time
import cli

date= time.strftime('%Y%m%d')
file= ('fusion-config_') + date
cli.execute ('copy running-config ftp://10.183.249.182/fusionSW/' + file)
exit()
```

What is the result of executing this python code?

- A. It backs up Cisco switches to Cisco Prime infrastructure.
- B. It sends the switch configuration to Cisco TAC.
- C. It sends a Cisco device backup to a remote destination.
- D. It schedules a backup on a Cisco switch using EEM.

Answer: C

#### NEW QUESTION 462

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.)

- visit - <https://www.surepassexam.com>

- A. UCS-A # scope keyring kr2016UCS-A /keyring # create certreq 10.68.68.68 sjc2016UCS-A /keyring\* # commit-buffer
- B. UCS-B # scope keyring kr2016UCS-B /keyring # create certreq ip 10.68.68.68 subject-name sjc2016UCS-B /keyring\* # commit-both
- C. UCS-B# scope securityUCS-B /security # scope keyring kr2016UCS-B /security/keyring # set certreq 10.68.68.68 sjc2016UCS-B /security/keyring\* # commit-both
- D. UCS-A# scope securityUCS-A /security # scope keyring kr2016UCS-A /security/keyring # create certreq ip 10.68.68.68 subject-name sjc2016UCS-A /security/keyring\* # commit-buffer

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/4-0/b\\_Cisco\\_UCS\\_Manager\\_CLI\\_Administration\\_Mgmt\\_Guide\\_4-0/b\\_Cisco\\_UCS\\_Manager\\_CLI\\_Administration\\_Mgmt\\_Guide\\_4-0\\_chapter\\_0110.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/4-0/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_4-0/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_4-0_chapter_0110.html)

**NEW QUESTION 468**

What is a characteristic of the NFS protocol?

- A. It is used for booting Cisco UCS B-Series servers.
- B. It is used to access a storage array at a block level.
- C. It uses UDP and HTTP as its transport.
- D. It uses remote procedure calls with TCP/IP for transport.

**Answer:** D

**NEW QUESTION 470**

A SAN administrator must Implement Infrastructure monitoring for the Fibre Channel storage environment. The storage environment consists of a standalone Cisco Nexus 9000 Series Switch and Cisco MDS 9000 Series Switches. The goal is to be able to visualize the SAN support VXLAN overlays and identify storage slow drain issues. Which monitoring solution accomplishes this task?

- A. Cisco Prime Infrastructure
- B. Cisco DCNM
- C. Cisco APIC
- D. Cisco Intersight

**Answer:** B

**NEW QUESTION 472**

An engineer implements SPAN configuration on an Nexus 5000 series switch. Which two commands are necessary to complete the SPAN session configuration? (Choose two)

```
N5K-Core# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
N5K-Core(config)# interface fc2/1
N5K-Core(config-if)# switchport speed 4000
N5K-Core(config-if)# no shutdown
N5K-Core(config)# interface fc2/2
N5K-Core(config-if)# no shutdown
N5K-Core(config)# monitor session 1
N5K-Core(config-monitor)# source interface fc2/1
N5K-Core(config-monitor)# destination interface fc2/2
N5K-Core(config-monitor)# no shutdown
```

- A. Configure the switchport monitor under interface fc2/2
- B. Configure the switchport mode SD under interface tc2/1.
- C. Configure switchport speed 4000 under interface fc2/2.
- D. Configure session type fc under monitor session 1.
- E. Configure the switchport mode SD under interface fc2/2.

**Answer:** CE

**Explanation:**

<https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli/CLIConfigurationGuide/Span.html>

**NEW QUESTION 475**

An engineer must perform a POAP deployment of a Cisco Nexus 9000 Series Switch The switch must automatically receive its software image and configuration file upon power-on. Also, only UDP is permitted between the Nexus 9000 switch and the server that hosts the Cisco NX-OS system images Which set of actions completes the configuration'

- A. Enable option 67. Define TFTP transfer protocol
- B. Enable option 43 Define HTTP transfer protocol.
- C. Enable option 46. Define TFTP transfer protocol
- D. Enable option 35. Define HTTP transfer protocol.

**Answer:** A

**NEW QUESTION 479**



A network engineer must configure a power redundancy policy on a Cisco UCS C-Series Rack Server. The power redundancy must support two power sources being used to power the server. Which configuration should be applied to meet the requirement?

- ☐ A server# scope org /  
server /org # scope psu-policy  
server /org/psu-policy # set redundancy N+1  
server /org/psu-policy\* # commit-buffer
- ☐ B server# scope org /  
server /org # scope psu-policy  
server /org/psu-policy # set psu-redundancy-policy grid  
server /org/psu-redundancy-policy\* # commit-buffer
- ☐ C server# scope org /  
server /org # scope psu-policy  
server /org/psu-policy # set psu-redundancy-policy N+1  
server /org/psu-redundancy-policy\* # commit-buffer
- ☒ D server# scope org /  
server /org # scope psu-policy  
server /org/psu-policy # set redundancy grid  
server /org/psu-policy\* # commit-buffer

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

Answer: D

Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/CLI-User-Guides/Server-Mgmt/3-1](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Server-Mgmt/3-1) The command "N+1" is invalid. The command should be "n-plus-1"

	Command or Action	Purpose
Step 1	UCS-A# scope org org-name	Enters organization mode for the specified organization. To enter the root organization mode, type / as the org-name .
Step 2	UCS-A /org # scope psu-policy	Enters PSU policy mode.
Step 3	UCS-A /org/psu-policy # set redundancy (grid   n-plus-1   non-redund )	<p>Specifies one of the following redundancy types:</p> <ul style="list-style-type: none"> <li>• <b>grid</b> –Two power sources are turned on, or the chassis requires greater than N+1 redundancy. If one source fails (which causes a loss of power to one or two PSUs), the surviving PSUs on the other power circuit continue to provide power to the chassis.</li> <li>• <b>n-plus-1</b> –The total number of PSUs to satisfy non-redundancy, plus one additional PSU for redundancy, are turned on and equally share the power load for the chassis. If any additional PSUs are installed, Cisco UCS Manager sets them to a "turned-off" state.</li> <li>• <b>non-redund</b> –All installed power supplies (PSUs) are turned on and the load is evenly balanced. Only smaller configurations (requiring less than 2500W) can be powered by a single PSU.</li> </ul> <p>For more information about power redundancy, see the <i>Cisco UCS 5108 Server Chassis Installation Guide</i>.</p>
Step 4	UCS-A /org/psu-policy # commit-buffer	Commits the transaction to the system configuration.

NEW QUESTION 484

An engineer must implement a solution that prevents untrusted DHCP servers from compromising the network. The feature must be configured on a Cisco Nexus 7000 Series Switch and applied to VLAN 10. The legitimate DHCP servers are connected to interface Ethernet 2/4. Which configuration set must be used to meet these requirements?

- ☐ A n7k-1(config)# ip dhcp snooping vlan 10  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping trust
- ☒ B n7k-1(config)# ip dhcp snooping vlan 10  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping verify vlan 10
- ☐ C n7k-1(config)# ip dhcp snooping verify  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping verify vlan 10
- ☐ D n7k-1(config)# ip dhcp snooping verify  
n7k-1(config)# vlan configuration 10  
n7k-1(config-vlan)# ip dhcp snooping trust



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

Answer: A

NEW QUESTION 488

An engineer must recover configuration on a Cisco MDS 9000 Series switch from a previous version that was backed up to bootflash and then verify the restoration.  
Drag and drop the commands on the left to the correct order on the right.

copy bootflash:<conriguration_file> runring-config	Step 1
copy running-config startup-config	Step 2
show startup-config	Step 3
write erase	Step 4
reload	Step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/fund/fund\\_nx-os\\_5-x/b\\_Cisco\\_MDS\\_9000\\_Series\\_NX-OS\\_Fundamentals\\_Configuration\\_Guide\\_Release\\_5-x/ b\\_Cisco\\_MDS\\_9000\\_Series\\_NX-OS\\_Fundamentals\\_Configuration\\_Guide\\_Release\\_5-x\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/nx-os/configuration/guides/fund/fund_nx-os_5-x/b_Cisco_MDS_9000_Series_NX-OS_Fundamentals_Configuration_Guide_Release_5-x/b_Cisco_MDS_9000_Series_NX-OS_Fundamentals_Configuration_Guide_Release_5-x_chapter_01000.html)

NEW QUESTION 491

A Cisco UCS user called "Employee1" accidentally changed the boot policy of the Cisco UCS server at the Cisco UCS Manager root level. This change impacted all service profiles and their storage connectivity was lost. The system administrator wants to prevent this issue from recurring in the future. The new security policy mandates that access must be restricted up to the organization level and prevent other users from modifying root policies. Which action must be taken to meet these requirements?

- A. Modify the privilege level assigned to the user
- B. Define a custom user role and assign it to users
- C. Assign the user "Employee1" the network-operator role
- D. Assign users to a specific Cisco UCS locale

Answer: D

Explanation:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem)

## Locales

### User Locales

You can assign a user to one or more locales. Each locale defines one or more organizations (domains) to which a user can access. Access is usually limited to the organizations specified in the locale. An exception is a locale without any organizations. It provides unrestricted access to system resources in all organizations.

A Cisco UCS domain can contain up to 48 user locales. Any user locales configured after the first 48 are accepted, but are inactive with faults raised.

NEW QUESTION 495

Which action must be performed before renumbering a Cisco UCS chassis?

- A. Move the chassis to new ports on fabric interconnect.
- B. Re-acknowledge the chassis.
- C. Decommission the chassis.
- D. Run the shut and no shut command on the connected ports.

**Answer:** C

#### NEW QUESTION 499

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

**Answer:** C

#### NEW QUESTION 503

Refer to the exhibit.

```
switch(config)# feature dhcp
switch(config)# ip dhcp snooping
switch(config)# service dhcp
switch(config)# ip dhcp snooping vlan 100,200,250-252
switch(config)# ip dhcp relay information option
```

Which action is taken to ensure that the relay agent forwards the DHCP BOOTREQUEST packet to a DHCP server?

- A. Configure the interface of the DHCP server as untrusted.
- B. Configure the IP address of the DHCP server.
- C. Enable the DHCP relay agent.
- D. Verify the DHCP snooping bindings.

**Answer:** B

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4\\_0/dcnm/security/configuration/guide/sec\\_dcnm](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_0/dcnm/security/configuration/guide/sec_dcnm) Text Description automatically generated

## Configuring a DHCP Server Address on a VLAN Interface

You can configure a DHCP server IP address on a VLAN interface (sometimes referred to as a switched virtual interface or SVI). When an inbound DHCP BOOTREQUEST packet arrives on the VLAN interface, the relay agent forwards the packet to the IP address specified.

#### NEW QUESTION 504

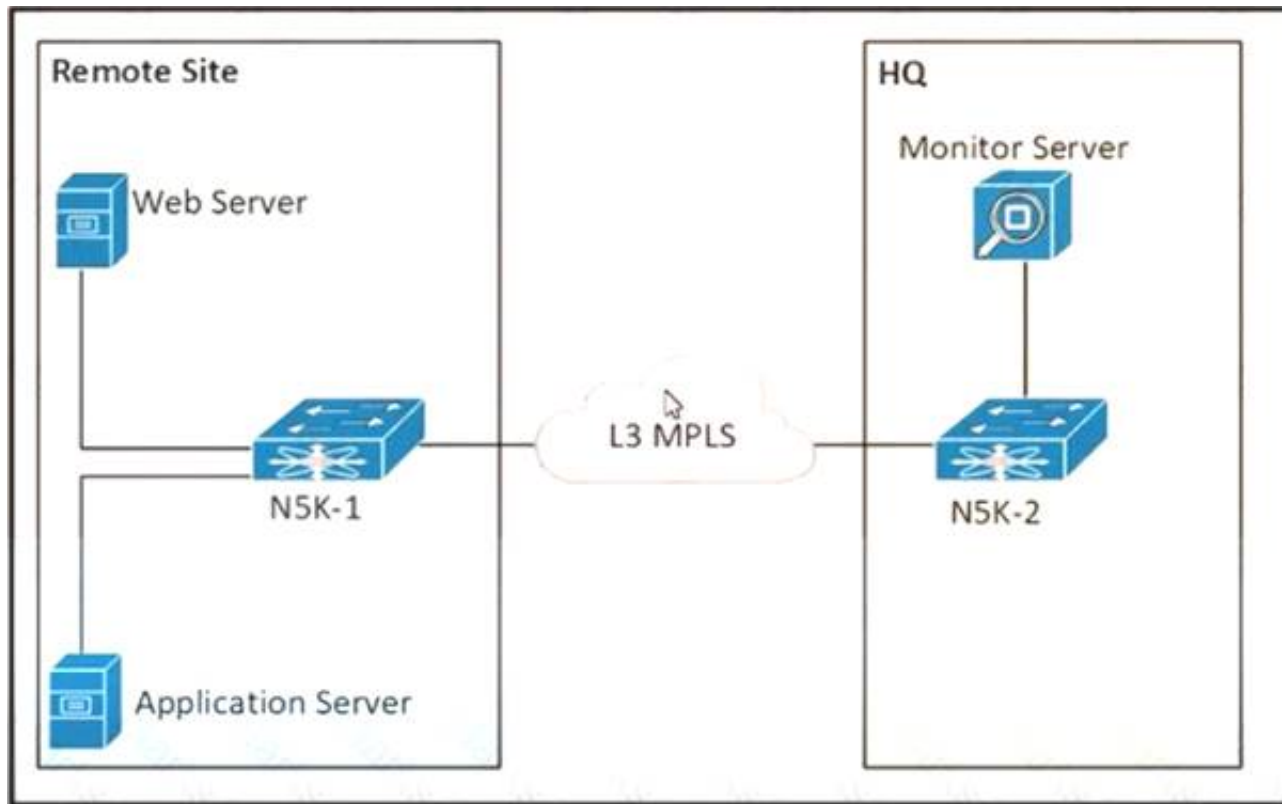
An engineer must generate a checkpoint of the running configuration on a Cisco Nexus Switch. The checkpoint file name must be called "before\_maintenance" and should be used for recovering the switch to its pre- maintenance state. The rollback of the checkpoint to running configuration should only occur if no errors occur. Which two configuration commands must be used to meet these requirements? (Choose two.)

- A. rollback checkpoint file before\_maintenance stop-at-first-failure
- B. rollback running-conf file before\_maintenance
- C. checkpoint file before\_maintenance
- D. checkpoint before\_maintenance
- E. rollback running-conf file before\_maintenance atomic

**Answer:** CE

#### NEW QUESTION 506

Refer to the exhibit



The communication between the web server and the application server experiences poor performance. The network engineer must collect the traffic between the two servers, including the payload for more investigation. The collected data must be sent from the remote site to the headquarters. Which action accomplishes this goal?

- A. Configure an ERSPAN session between N5K-1 and N5K-2.
- B. Configure a SPAN session between N5K-1 and N5K-2.
- C. Configure SNMP on N5K-1 to send the data to the monitor server.
- D. Configure NetFlow on N5K-1 to send the data to the monitor server.

**Answer: A**

#### NEW QUESTION 509

An engineer must apply AAA configuration on a Cisco MDS 9000 Series Switch. The solution must meet these conditions:

- > It must use a challenge-response authentication protocol that uses MD5 hashing with an incrementally changing identifier.
- > The RADIUS configuration must be automatically shared with other MDS switches in the environment.

The RADIUS server is already defined. Which command set completes the configuration?

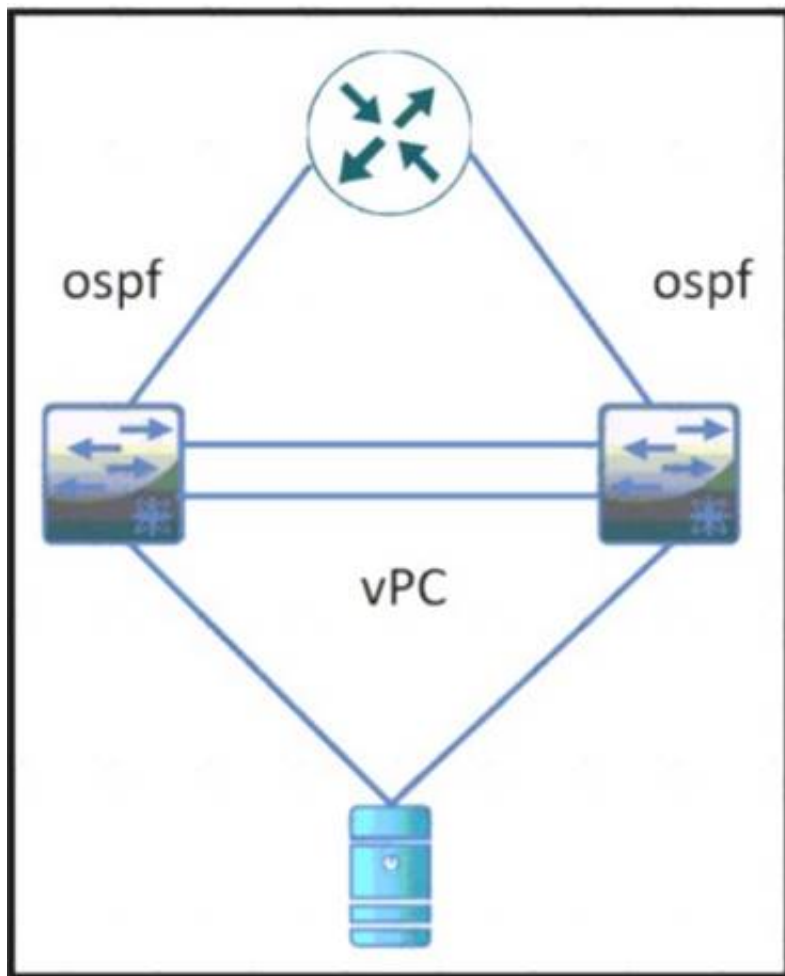
- ☐ `aaa authentication login pap enable`  
`distribute radius`  
`radius-server host 10.8.8.0 auth-port 1821`
- ☒ `aaa authentication login mschapv2 enable`  
`radius propagate`  
`radius authentication port 1821`
- ☐ `aaa authentication login chap enable`  
`radius distribute`  
`radius commit`
- ☐ `aaa authentication login mschap enable`  
`radius commit`  
`radius-server host 10.8.8.0`

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

**Answer: C**

#### NEW QUESTION 514

Refer to the exhibit



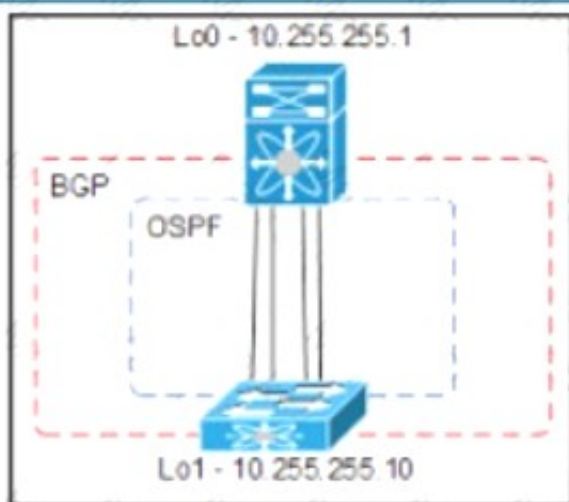
During a vPC peer switch reload, there is packet loss between the server and the router Which action must be taken to prevent this behavior during future reloads?

- A. Set the routed uplink ports of the Cisco Nexus peers as orphans.
- B. Increase the vPC delay restore timer.
- C. Decrease the OSPF hello and dead interval timers.
- D. Disable vPC ARP synchronize on the vPC peers.

**Answer: B**

#### NEW QUESTION 519

Refer to the exhibit



An engineer must provision a VXLAN deployment The OSPF has already been configured as the underlay protocol All BGP configurations will be performed using the template method The deployment must meet these requirements

- The local update source for leaf switches must be loopback 1
- The router ID must be the local loopback IP address
- The external BGP connections must use a template name

Drag and drop the configuration snippets from the bottom to complete the configuration



```
router bgp 65000
  router-id 
  template peer SPINE
  bfd
  remote-as 
  update-source loopback1
  timers 3 9
  address-family  peer
    send-community extended
  neighbor 
    peer SPINE
```

10.255.255.1

inherit

65000

10.255.255.10

12vpn

evpn

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
router bgp 65000
  router-id 10.255.255.10
  template peer SPINE
  bfd
  remote-as 65000
  update-source loopback1
  timers 3 9
  address-family 12vpn evpn
    send-community extended
  neighbor 10.255.255.1
    inherit peer SPINE
```

10.255.255.1

inherit

65000

10.255.255.10

12vpn

evpn

NEW QUESTION 522

What are two requirements when planning a Cisco HyperFlex All Flash standard cluster installation using three HX240c M5 servers? (Choose Two)

- A. If the Jumbo MTU option in the HyperFlex installer is enabled, then jumbo frames do not have to be enabled on the upstream switches.
- B. The hypervisors must be installed to Cisco FlexFlash SD cards.
- C. If the Jumbo MTU option in the HyperFlex installer is enabled, then jumbo frames must also be enabled on the upstream switches.
- D. The cluster deployment type must support a mix of HDD and SSD.
- E. The servers must be discovered, unassociated, and connected to each fabric interconnect.

Answer: CE

Explanation:

[https://www.cisco.com/c/en/us/td/docs/hyperconverged\\_systems/HyperFlex\\_HX\\_DataPlatformSoftware/ AdminGuide/3\\_5/ b\\_HyperFlexSystems\\_AdministrationGuide\\_3\\_5/b\\_HyperFlexSystems\\_AdministrationGuide\\_3\\_5\\_chapter\\_011](https://www.cisco.com/c/en/us/td/docs/hyperconverged_systems/HyperFlex_HX_DataPlatformSoftware/AdminGuide/3_5/b_HyperFlexSystems_AdministrationGuide_3_5/b_HyperFlexSystems_AdministrationGuide_3_5_chapter_011)

NEW QUESTION 524

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