



**Cisco**

**Exam Questions 350-601**

Implementing and Operating Cisco Data Center Core Technologies

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**NEW QUESTION 1**

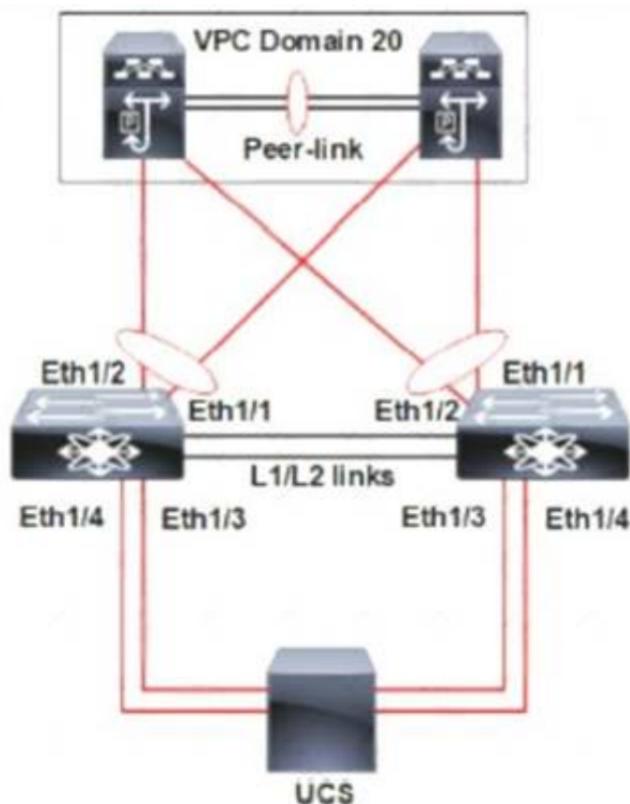
A company plans to migrate some of its services to the cloud. The company does not want to manage or control the underlying cloud infrastructure. It also wants to maintain control over the deployment of its applications and configuration settings of the application-hosting environment. Which cloud service model meets these requirements?

- A. Infrastructure as a Service
- B. Function as a Service
- C. Platform as a Service
- D. Software as a Service

**Answer: C**

**NEW QUESTION 2**

Refer to the exhibit.



A pair of Cisco Nexus switches form a vPC. A new chassis is added to the pre-existing Cisco UCS domain. A new chassis must be discovered, and all links from the chassis to the LAN network must be established. Which set of actions accomplishes these requirements?

- Set the chassis discovery policy action to four links. Configure Eth1/3 and Eth1/4 as server ports. Acknowledge the chassis.
- Set the chassis discovery policy action to four links. Configure Eth1/1 and Eth1/2 as uplink Fibre Channel ports. Set the link group preference to None.
- Set the chassis discovery policy action to one link. Configure Eth1/1 and Eth1/2 as uplink Ethernet ports. Set the link group preference to Port Channel.
- Set the chassis discovery policy action to one link. Configure Eth1/3 and Eth1/4 as server ports. Acknowledge the chassis.

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

**Answer: C**

**NEW QUESTION 3**

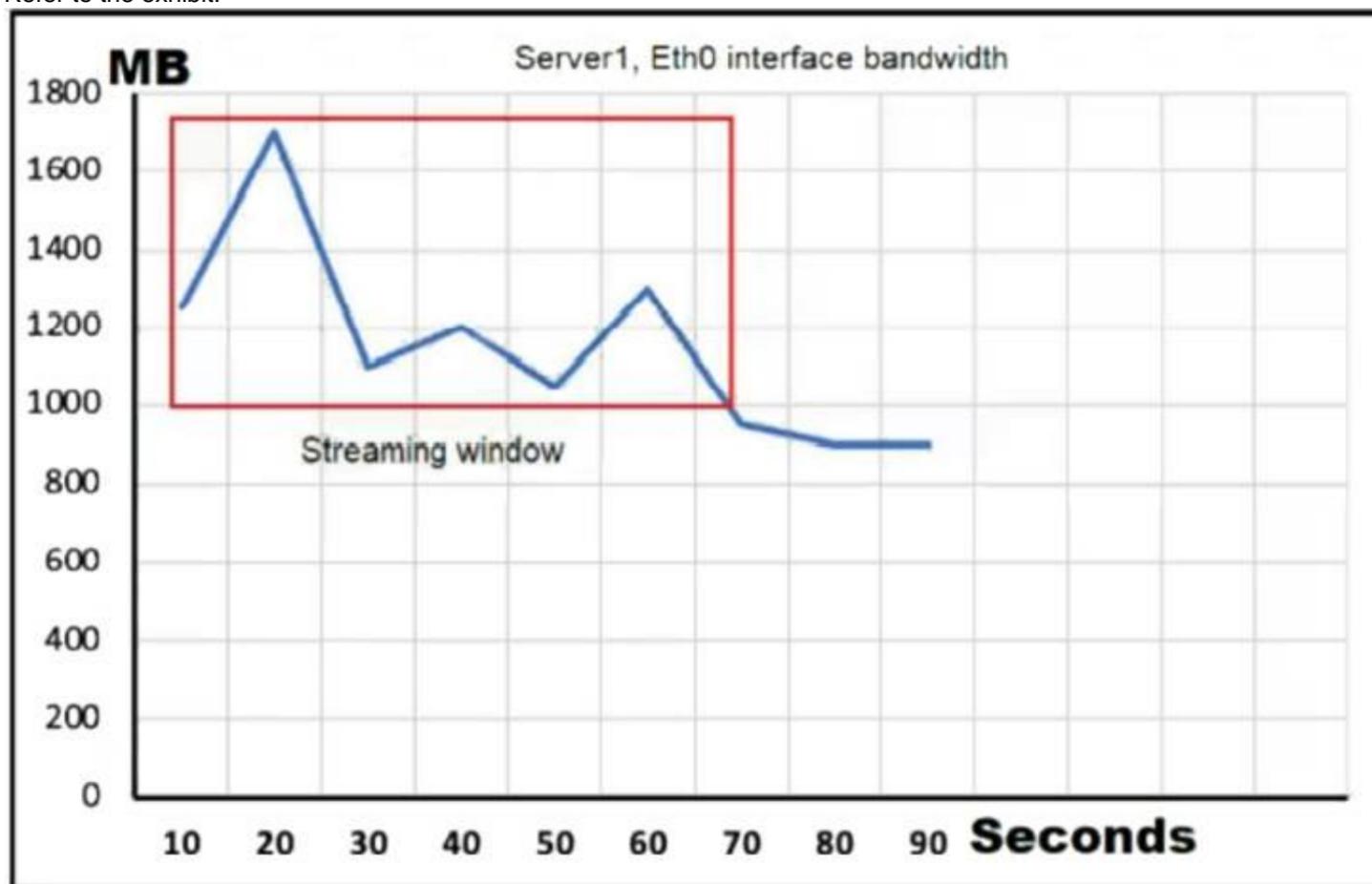
Which solution provides remote and direct file-level access to users and systems?

- A. direct-attached storage
- B. Fibre Channel over Ethernet
- C. storage area network
- D. network-attached storage

**Answer: D**

**NEW QUESTION 4**

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 5**

Refer to the exhibit.

```

FI-1# scope org /
FI-1 /org # create maint-policy maintenance
FI-1 /org/maint-policy* # set reboot-policy timer-automatic
FI-1 /org/maint-policy* # set soft-shutdown-timer never
    
```

Which action must be taken before the maintenance policy can be committed?

- A. Set the soft shutdown timer to a specific time.
- B. Associate a service profile to the maintenance policy.
- C. Set the policy to apply the change on the next reboot.
- D. Specify a maintenance time by selecting a schedule.

**Answer: D**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/3-1/b\\_Cisco\\_UCS\\_Manager\\_CLI\\_Administration\\_Mgmt\\_Guide\\_3\\_1/b\\_Cisco\\_UCS\\_Manager\\_CLI\\_Administration\\_Mgmt\\_Guide\\_3\\_1\\_chapter\\_01100.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_3_1/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_3_1_chapter_01100.html)

**NEW QUESTION 6**

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 7**

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 8

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 9

An engineer must implement a disaster recovery policy for the Cisco UCS infrastructure. The solution must meet these criteria:

- The Recovery Point Objective must be 48 hours.
- The backup must use encrypted transmission.
- The Recovery Time Objective must be 4 hours.

Which configuration set must be used in the scheduled backup to meet these requirements?

- Protocol: SFTP  
Schedule: Weekly
- Protocol: FTP  
Schedule: Bi-Weekly
- Protocol: TFTP  
Schedule: Bi-Weekly
- Protocol: SCP  
Schedule: Daily

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

**Answer:** D

#### NEW QUESTION 10

A network administrator attempts to automate the provisioning of several new Cisco Nexus switches. The administrator prepares a bootstrap configuration script for the task. Due to the number of switches, a zero-touch provisioning solution is preferred. Additionally, some switches arrive with outdated software and should be automatically upgraded as part of the provisioning workflow. Which solution meets the requirements?

- A. DHCP
- B. Ansible
- C. NX-API
- D. POAP

**Answer:** C

#### NEW QUESTION 10

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 13

After a Cisco Nexus 7000 Series Switch chassis replacement, the administrator discovers that all vPC-enabled LACP port channels are reinitialized. The administrator wants to prevent this issue the next time the chassis is replaced. Which two actions must be taken to meet this requirement before the isolated device is reloaded? (Choose two.)

- A. Set the vPC MAC address to a lower value than the peer
- B. Change the vPC system-priority of the replacement chassis to a higher value than the peer if.
- C. Change the vPC system-priority of the replacement chassis to a lower value than the peer.
- D. Set the vPC MAC address to a higher value than the peer
- E. Configure auto-recovery to the disable state on both peers

**Answer:** BE

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/interfaces/configuration/guide/b\\_-----](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/interfaces/configuration/guide/b_-----)  
<https://community.cisco.com/t5/networking-documents/vpc-auto-recovery-feature-in-nexus-7000/ta-p/3123651>

#### vPC and LACP

The Link Aggregation Control Protocol (LACP) uses the system MAC address of the vPC domain to form the LACP Aggregation Group (LAG) ID for the vPC.

You can use LACP on all the vPC EtherChannels, including those channels from the downstream switch. We recommend that you configure LACP with active mode on the interfaces on each EtherChannel on the vPC peer switches. This configuration allows you to more easily detect compatibility between switches, unidirectional links, and multihop connections, and provides dynamic reaction to run-time changes and link failures.

The vPC peer link supports 16 EtherChannel LACP interfaces. You should manually configure the system priority on the vPC peer-link switches to ensure that the vPC peer-link switches have a **higher LACP priority** than the downstream connected switches. A **lower numerical value system priority means a higher LACP priority**.

#### NEW QUESTION 14

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 16**

Which method must a network engineer use to upgrade the BIOS firmware of a Cisco UCS standalone C-Series rack-mount server?

- A. Use the Cisco host upgrade utility.
- B. Use the Cisco hardware upgrade utility.
- C. Use the Cisco host firmware policy.
- D. Use the U-ACPI Interface.

**Answer:** A

**NEW QUESTION 21**

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 port as a Fibre Channel storage port

**Answer:** AE

**NEW QUESTION 24**

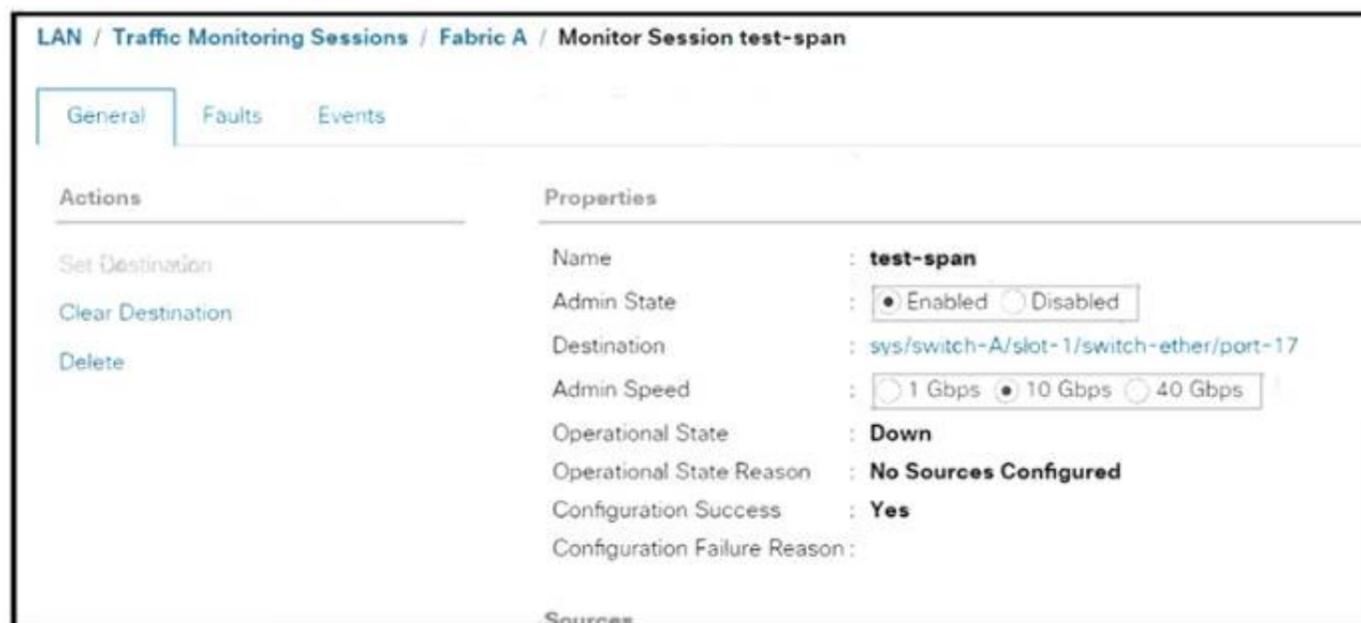
Refer to the exhibit. A network engineer must improve the convergence time during vPC primary peer device failure and recovery. Which set of actions is required on both vPC switches to accomplish this task?

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

**Answer:** D

**NEW QUESTION 26**

Refer to the exhibit.



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 28

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.

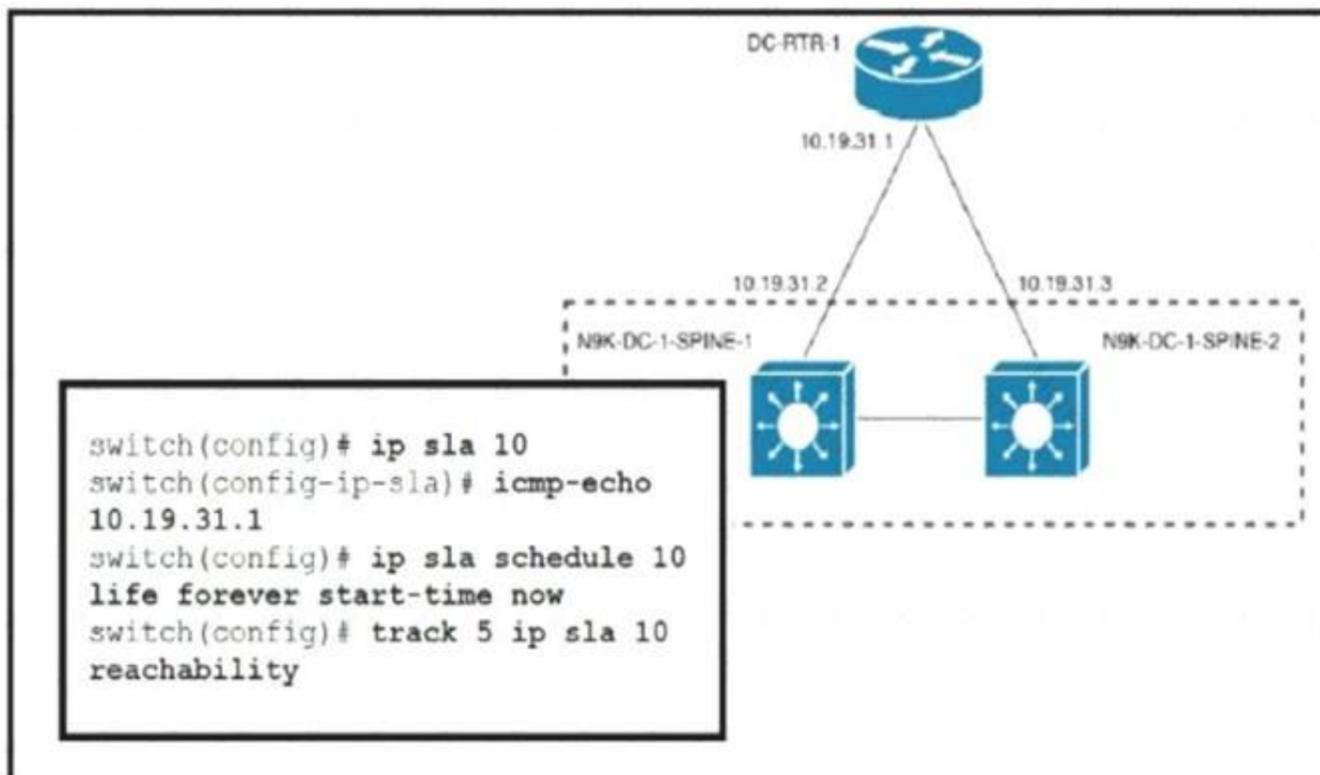
A static secure MAC address entry remains in the configuration of an interface until one of the following events occurs:

- 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 32

Refer to the exhibit.



An engineer must invoke a Python script that alerts the operations team when the router DC-RTR-1 becomes unreachable. Which configuration set accomplishes this task?

- track 3 ip sla 10 reachability
  - event name GATEWAY-DOWN
  - event state down
  - action cli command routerdown.py
- scheduler job name ROUTER-DOWN
  - job track 9 state down
  - action 1.0 cli source routerdown.py
  - schedule 10
- event scheduler name DOWN-ROUTER
  - event track 2 state 1 not up
  - event action 1.0 command source routerdown.py
  - event start 0:00 repeat 0:05
- event manager applet ROUTER-DOWN-SLA
  - event track 5 state down
  - action 1.0 event-default
  - action 2.0 cli command source routerdown.py

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

Answer: D

**NEW QUESTION 33**

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 38**

Refer to the exhibit.

```

switch(config)# interface Ethernet 2/2
switch(config)# ip address 172.23.231.240/23
switch(config)# ip verify unicast source reachable-via rx
    
```

What is configured as a result of running these commands?

- A. reverse lookup for outbound packets
- B. strict unicast RPF
- C. loose unicast RPF
- D. IP Source Guard

**Answer:** B

**Explanation:**

[https://tools.cisco.com/security/center/resources/unicast\\_reverse\\_path\\_forwarding](https://tools.cisco.com/security/center/resources/unicast_reverse_path_forwarding)

The ip verify unicast source reachable-via rx command enables Unicast RPF in strict mode. To enable loose mode, administrators can use the any option to enforce the requirement that the source IP address for a packet must appear in the routing table.

**NEW QUESTION 39**

Refer to the exhibit.

```
Enter the configuration method. (console/gui) ? console

Enter the setup mode; setup newly or restore from backup.
(setup/restore) ? restore

NOTE:
  To configure Fabric interconnect using a backup file on
a remote server, you will need to setup management
interface.
  The management interface will be re-configured (if
necessary), based on information stored in the backup file.

Continue to restore this Fabric interconnect from a backup
file (yes/no) ? yes

Physical Switch Mgmt0 IPv4 address : 192.168.10.10
Physical Switch Mgmt0 IPv4 netmask : 255.255.255.0
IPv4 address of the default gateway : 192.168.10.1
Enter the protocol to get backup file (scp/ftp/tftp/sftp)
? scp
Enter the IP address of backup server: 20.10.20.10
Enter fully qualified backup file name: Backup.bak
Enter user ID: user
Enter password:
  Retrieved backup configuration file.
Configuration file - Ok
```

Which type of backup is required to restore a Cisco UCS configuration?

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

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/1-0-2/b\\_CLI\\_Config\\_Guide\\_](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/1-0-2/b_CLI_Config_Guide_)

The following example restores a system configuration from the Backup.bak file, which was retrieved from the 20.10.20.10 backup server using FTP:

```
Enter the configuration method. (console/gui) ? console
Enter the setup mode; setup newly or restore from backup. (setup/restore) ? restore
```

NOTE:

To configure Fabric interconnect using a backup file on a remote server, you will need to setup management interface. The management interface will be re-configured (if necessary), based on information stored in the backup file.

```
Continue to restore this Fabric interconnect from a backup file (yes/no) ? yes
```

```
Physical Switch Mgmt0 IPv4 address : 192.168.10.10
```

```
Physical Switch Mgmt0 IPv4 netmask : 255.255.255.0
```

```
IPv4 address of the default gateway : 192.168.10.1
```

```
Enter the protocol to get backup file (scp/ftp/tftp/sftp) ? scp
```

```
Enter the IP address of backup server: 20.10.20.10
```

```
Enter fully qualified backup file name: Backup.bak
```

```
Enter user ID: user
```

```
Enter password:
```

```
Retrieved backup configuration file.
```

```
Configuration file - Ok
```

```
Cisco UCS 6100 Series Fabric Interconnect
UCS-A login:
```

#### NEW QUESTION 40

An engineer must configure a Cisco MDS 9000 Series Switch for traffic analysis from the storage array. The storage array is connected to the interface fc2/1 in VSAN 10 and the traffic analyzer to fc4/2. The capture file must include ingress and egress traffic between the switch and the storage array. Also, only traffic in VSAN 10 must be captured. Which configuration set meets these requirements?

A)

```
interface fc4/2
  switchport mode auto
  no shutdown
!
span session 1
  source interface fc2/1 rx
  destination interface fc4/2
  source filter vsan 10
  no suspend
```

B)

```
interface fc4/2
  switchport mode trunk
  switchport trunk allow vsan 10
  no shutdown
!
span session 1
  source interface fc2/1 tx
  destination interface fc4/2 rx
  no suspend
```

C)

```
interface fc4/2
  switchport mode SD
  no shutdown
!
span session 1
  source interface fc2/1
  destination interface fc4/2
  source filter vsan 10
```

D)

```
interface fc4/2
  switchport mode ST
  no shutdown
!
span session 1
  source interface fc2/1
  destination interface fc4/2
  source filter vsan 10
```

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

**Answer:** A

#### NEW QUESTION 43

What is an advantage of streaming telemetry over SNMP?

- A. on-change traps sent to a receiver
- B. periodic push-based subscription messages
- C. periodic polling of the device status
- D. MD5-based authentication on polling

**Answer:** B

#### NEW QUESTION 48

A network engineer connects the CNA interface of a server to a switch. The switch must bring down all of the VLANs on the interface that are not enabled for FCoE, but the VLANs that are enabled for FCoE should continue to carry SAN traffic without interruption. Which configuration should be applied to the switch to achieve this objective?

- A. switch(config)# interface Ethernet 2/1 switch(config-if)# shutdown lan
- B. switch(config)# interface vfc 2 switch(config-if)# shutdown lan
- C. switch(config)# Interface Ethernet vfc 2 switch(config-if)# shutdown force
- D. switch(config)# interface Ethernet 2/1 switch(config-if)# shutdown force

**Answer:** A

#### NEW QUESTION 49

Refer to the exhibit.

```
Nexus# show vpc peer-keepalive | i Keepalive
--Keepalive interval : 1000 msec
--Keepalive timeout : 5 seconds
--Keepalive hold timeout : 3 seconds
--Keepalive vrf : management
--Keepalive udp port : 3200
--Keepalive tos : 192

Nexus# ethanalyzer local interface mgmt limit-captured-frames 1000

Capturing on mgmt0
2019-06-15 12:01:51.242597 192.168.254.11 -> 192.168.254.3 ICMP Echo (ping) request
2019-06-15 12:01:51.242860 192.168.254.3 -> 192.168.254.11 ICMP Echo (ping) reply
2019-06-15 11:50:15.975474 192.168.254.1 -> 192.168.254.3 TCP 47540 > bootps [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975547 192.168.254.3 -> 192.168.254.1 TCP 29 > 47540 [RST, A CK] Seq=1 Ack=1 Win=0 Len=0
2019-06-15 11:50:15.975564 192.168.254.1 -> 192.168.254.3 TCP 47540 > 44 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975924 192.168.254.1 -> 192.168.254.3 TCP 47540 > discard [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976027 192.168.254.1 -> 192.168.254.3 TCP 47540 > 97 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976381 192.168.254.1 -> 192.168.254.3 TCP 47540 > 35 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:16.661845 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:16.761147 00:8e:73:a2:41:13 -> 01:80:c2:00:00:00 STP Conf. Root = 8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x8013
2019-06-15 11:50:16.853248 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.326253 192.168.254.1 -> 192.168.254.3 SSH Encrypted request packet len=52
2019-06-15 11:50:17.327313 192.168.254.3 -> 192.168.254.1 SSH Encrypted response packet len=1348
2019-06-15 11:50:17.377246 192.168.254.4 -> 239.255.70.83 UDP Source port: 7546 Destination port: 7546
2019-06-15 11:50:17.552215 192.168.254.1 -> 192.168.254.3 TCP 14139 > ssh [ACK] Seq=365 Ack=11277 Win=63546 Len=0
2019-06-15 11:50:17.661764 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.653242 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.872637 8c:60:4f:aa:c2:e1 -> 01:80:e7:00:00:0e LLDP Chassis : d = 8c:60:41:aa:c2:e1 Port Id = mgmt0 TTL = 120
2019-06-15 11:50:08.173056 192.168.256.3 -> 192.168.254.2 NTP NTP client
2019-06-15 11:50:08.173256 192.168.256.2 -> 192.168.254.3 NTP NTP server
```

A flapping link issue has been reported on the vPC keepalive link. A packet capture has been activated on the Cisco Nexus switch. What is the destination IP address of the vPC keepalive packets that are sent by the switch?

- A. 192.168.254.4
- B. 239.255.70.83
- C. 192.168.254.1
- D. 192.168.254.2

**Answer:** A

**Explanation:**

<https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/interfaces/92x/b-cisco-nexus-3000-nx>

#### NEW QUESTION 54

A customer deploys a media server to distribute streaming videos to network clients. The requirement is to allow the video feed to reach only requesting clients. The shared trees must not propagate the video feed if no clients from that tree request it. To reduce configuration touchpoints, the solution must support the automatic discovery and announcement of RP-set information. Each router in the network is responsible for selecting the RP. Which configuration set meets these requirements?

A)

```
router(config-if)# ip pim bidir-enable
router(config)# ip pim ssm default
router(config)# ip igmp version 3
```

B)

```
router(config-if)# ip pim dense-mode
router(config)# ip pim rp-address 1.1.1.1
router(config)# ip pim rp listener
```

C)

```
router(config-if)# ip pim sparse mode
router(config)# ip pim bsr-candidate Lo0
router(config)# ip pim rp-candidate Lo0
```

D)

```
router(config-if)# ip pim sparse-sense mode
router(config)# ip pim auto-rp
router(config)# ip pim send-rp-announce
```



```

N5K-1# configuration terminal
N5K-1#(config)# 
N5K-1#(config)# interface fc 2/2
N5K-1#(config-if)# 
N5K-1#(config-if)# no shutdown
N5K-1#(config)# 
N5K-1#(config-if)# 
N5K-1#(config-if)# no shutdown
        
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

npv enable, switchport mode F, interface fc2/1, switchport mode NP

**NEW QUESTION 69**

An engineer must configure OSPF in the data center. The external routes have already been redistributed OSPF. The network must meet these criteria:

- \* The data centre servers must reach services in the cloud and the services behind the redistributed routes.
  - \* The exit point toward the internet should be propagated only when there is a dynamically learned default route from the upstream router.
- Which feature is required?

- A. Default-information originate
- B. Stubby area
- C. Totally stubby area
- D. Default-information originate always

**Answer:** A

**Explanation:**

<https://learningnetwork.cisco.com/s/question/0D53i00000Kt544/defaultinformationoriginate-always>

**NEW QUESTION 70**

Refer to the exhibit.

Which two Cisco UCS components are upgraded as a result of the configuration? (Choose two.)

- A. adapters
- B. board controller
- C. IOMs
- D. BIOS
- E. Cisco UCS Manager

**Answer:** CE

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/b\\_GUI\\_Firmware\\_Management\\_22\\_chapter\\_0101.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/b_GUI_Firmware_Management_22_chapter_0101.html)

Infrastructure software bundle—This bundle is also called the A bundle. It contains the firmware images that the fabric interconnects, IO Modules, and Cisco UCS Manager require to function.

Board controller is a server component included in the server bundle not the infrastructure bundle Graphical user interface, text, application, letter Description automatically generated

### Install Infrastructure Firmware

Install Infrastructure Firmware upgrades all infrastructure components in a Cisco UCS domain, including Cisco UCS Manager, and all fabric interconnects and I/O modules. All components are upgraded to the firmware version included in the selected Cisco UCS Infrastructure Software Bundle.

Install Infrastructure Firmware does not support a partial upgrade to only some infrastructure components in a Cisco UCS domain domain.

You can schedule an infrastructure upgrade for a specific time to accommodate a maintenance window. However, if an infrastructure upgrade is already in progress, you cannot schedule another infrastructure upgrade. You must wait until the current upgrade is complete before scheduling the next one.



**Note** You can cancel an infrastructure firmware upgrade if it is scheduled to occur at a future time. However, you cannot cancel an infrastructure firmware upgrade after the upgrade has begun.

#### NEW QUESTION 75

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

prefixes between PE1 and PE2. Which two sets of steps should be taken to complete the VRF configuration? (Choose two)

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

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

**Answer: DE**

#### NEW QUESTION 76

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 80

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

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

**Answer:** D

#### Explanation:

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

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-manager/GUI-User-Guides/System-Monitoring/3-2/b\\_UCSM\\_GUI\\_System\\_Monitoring\\_Guide\\_3\\_2/b\\_UCSM\\_GUI\\_System\\_Monitoring\\_Guide\\_3\\_2\\_chapter\\_01101.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/System-Monitoring/3-2/b_UCSM_GUI_System_Monitoring_Guide_3_2/b_UCSM_GUI_System_Monitoring_Guide_3_2_chapter_01101.pdf)

#### NEW QUESTION 81

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 82

A Cisco MDS 9000 series storage Switch has reloaded unexpectedly. Where does the engineer look for the latest core dump file?

- A. /mnt/core
- B. /mnt/pss
- C. /mnt/logs
- D. /mnt/recovery

**Answer:** B

#### Explanation:

Graphical user interface, text, application, email Description automatically generated

#### Saving Cores

You can save cores (from the active supervisor module, the standby supervisor module, or any switching module) to an external CompactFlash (slot 0) or to a TFTP server in one of two ways:

- On demand—Copies a single file based on the provided process ID.
- Periodically—Copies core files periodically as configured by the user.

A new scheme overwrites any previously issued scheme. For example, if you perform another core log copy task, the cores are periodically saved to the new location or file.

#### Saving the Last Core to Bootflash

This last core dump is automatically saved to bootflash in the **/mnt/pss/** partition before the switchover or reboot occurs. Three minutes after the supervisor module reboots, the saved last core is restored from the flash partition (**/mnt/pss**) back to its original RAM location. This restoration is a background process and is not visible to the user.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6\\_2/configuration/guides/system\\_management/nx-os/sysmgmt\\_cli\\_6-x/sys.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/system_management/nx-os/sysmgmt_cli_6-x/sys.html)  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6\\_2/configuration/guides/system\\_management/nx-os/sysmgmt\\_cli\\_6-x/sys.html#37039](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/system_management/nx-os/sysmgmt_cli_6-x/sys.html#37039)

#### NEW QUESTION 87

What is an advantage of NFS as compared to Fibre Channel?

- A. NFS enable thin provisioning for LUNs.
- B. NFS provides the dynamic allocation of storage capacity.
- C. NFS removes the impact of IP overhead.
- D. NFS provides direct access to the underlying storage hardware.

**Answer:** B

**Explanation:**

<https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/BRKINI-1011.pdf>

**NEW QUESTION 92**

An engineer must perform a software upgrade on a production Cisco Nexus 7000 Series Switch. Before the upgrade activity, the requirement is for all ports to be shut down and routing protocols to terminate gracefully. Which feature must be used to meet these requirements?

- A. Configuration Profile
- B. Maintenance Mode Profile
- C. Switch Profile
- D. Service Profile Template

**Answer:** B

**NEW QUESTION 96**

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 99**

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 101**

A company must security harden its Cisco UCS C-Series servers. The security policy requires all out-of-band management to meet these requirements

- It must encrypt all traffic
- It must use nondefault ports
- It must provide private administrative sessions Which Cisco IMC configuration meets the requirements?

data1# scope sol  
 data1 /sol # set enabled yes  
 data1 /sol # set encrypted tls1.2  
 data1 /sol # set port 3389  
 data1 /sol # set session max 2  
 data1 /sol # set deny-local yes

data1# scope cimc  
 data1 /cimc # set enabled yes  
 data1 /cimc # set encrypted tls  
 data1 /cimc # set kvm-port 1972  
 data1 /cimc # set max-sessions 1  
 data1 /cimc # set local-session deny

data1# scope oob  
 data1 /oob # set enabled no  
 data1 /oob # set encrypted yes  
 data1 /oob # set kvm-port 2068  
 data1 /oob # set max-sessions 1  
 data1 /oob # set local-access no

data1# scope kvm  
 data1 /kvm # set enabled yes  
 data1 /kvm # set encrypted yes  
 data1 /kvm # set kvm-port 3168  
 data1 /kvm # set max-sessions 1  
 data1 /kvm # set local-video no

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

**Answer:** D

**NEW QUESTION 105**

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 106**

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 wwpns 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 107**

A network engineer must create an EEM script that saves a copy of the running configuration on bootflash and writes a message to syslog when a user saves the configuration to a Cisco Nexus switch. Which configuration set should be applied to complete this task?

- Ⓐ event manager applet local- backup  
 event cli match "copy running-config startup-config"  
 action 1 cli copy running-config bootflash:/current\_config.txt  
 action 2 syslog msg Configuration saved and copied to bootflash
- Ⓑ event manager applet local- backup  
 event cli match "write memory"  
 action 1 cli copy running-config bootflash:/current\_config.txt  
 action 2 snmp-trap strdata "Configuration saved and copied to bootflash"
- Ⓒ event manager applet local- backup  
 event cli match "copy running-config startup-config"  
 action 1 cli copy running-config bootflash:/current\_config.txt  
 action 2 syslog msg Configuration saved and copied to bootflash  
 action 3 event-default
- Ⓓ event manager applet local- backup  
 event cli match "write memory"  
 action 1 cli copy running-config bootflash:/current\_config.txt  
 action 2 syslog msg Configuration saved and copied to bootflash  
 action 3 event-default

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

Answer: C

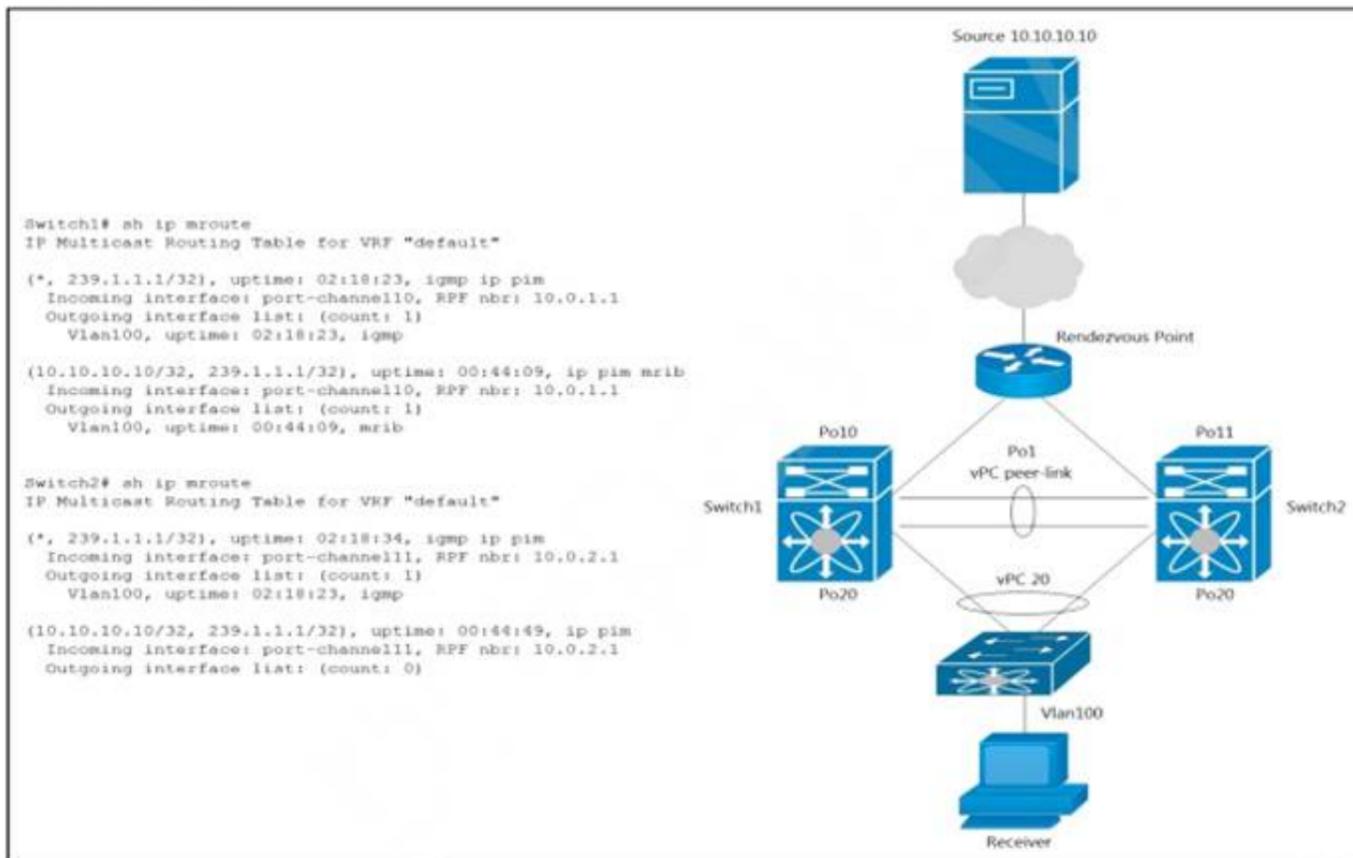
**Explanation:**

The command write memory is not valid in NX-OS  
 The "event-default"

If you want to allow the triggered event to process any default actions, you must configure the EEM policy to allow the default action. For example, if you match a CLI command in a match statement, you must add the event-default action statement to the EEM policy or EEM will not allow the CLI command to execute.

**NEW QUESTION 109**

Refer to the exhibit.



A host with a 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 Switch1 over the vPC peer-link, the traffic is dropped
- 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 Switch2, the traffic is forwarded out only on Po20
- D. If multicast traffic is received on Po11 Switch2, the traffic is dropped.

Answer: D

**Explanation:**

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

**NEW QUESTION 114**

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

expensive and complex to manage	<b>NAS</b> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div>
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	
	<b>SAN</b> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div>

- 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 116**

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 121**

Refer to the exhibit.

```
#!/bin/env python
from cli import *
[ ]
x= cli('show running-config | include address')
y= x.find('192.168.101.191/25')
z= x.find('192.168.101.192/25')
if y != -1:
    cli ('copy tftp://192.168.101.253/initdev1.cfg bootflash: vrf management')
    cli ('copy bootflash:initdev1.cfg scheduled-config')
if z != -1:
    cli ('copy tftp://192.168.101.253/initdev2.cfg bootflash: vrf management')
    cli ('copy bootflash:initdev2.cfg scheduled-config')
cli ('copy running-config startup-config')
```

Which information must be added to the script to complete the POAP operation on the Cisco Nexus 9000 Series Switch?

- API token d41d8cd98f00b40960045298ecf8427e of the Cisco APIC.
- MD5SUM 41d8cd98f00b204e9800998ecf8427e of the Python code.
- API token d41d8cd98f00b77986331998ecf8427e of the Cisco Nexus 9000 Series Switch.
- MD5SUM d41d8cd98f00b20449800998ecf8427e of the script file.

- A. Option A
- B. Option B

- C. Option C
- D. Option D

**Answer:** D

**NEW QUESTION 126**

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

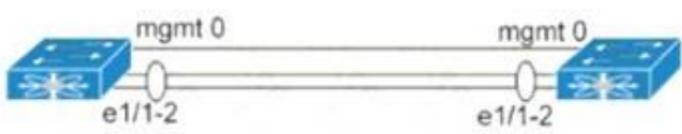
**Answer:** B

**Explanation:**

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

**NEW QUESTION 130**

Refer to the exhibit.



```

hostname N9K-1
vpc domain 100
  role priority 100
  peer-keepalive destination 10.10.10.2
interface port-channel100
  switchport mode trunk
  spanning-tree port type network
  vpc peer-link
interface Ethernet1/1
  switchport mode trunk
interface Ethernet1/2
  switchport mode trunk
interface mgmt0
  vrf member management
  ip address 10.10.10.1/24

hostname N9K-2
vpc domain 100
  role priority 90
  peer-keepalive destination 10.10.10.1
interface port-channel100
  switchport mode trunk
  spanning-tree port type network
  vpc peer-link
interface Ethernet1/1
  switchport mode trunk
interface Ethernet1/2
  switchport mode trunk
interface mgmt0
  vrf member management
  ip address 10.10.10.2/24
    
```

Which action completes the vPC domain implementation?

- A. Allow VLANs on the vPC peer link member interfaces.
- B. Include the VRF management on the vPC domain.
- C. Configure the system MAC on the vPC domain.
- D. Add the vPC member ports to the vPC channel group.

**Answer:** D

**NEW QUESTION 131**

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 136**

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 137**

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 139**

An engineer must perform a nondisruptive software upgrade on a dual supervisor Cisco Nexus 7000 series switch. What is the cause of the upgrade being disruptive?

- A. The show install all impact command is not issued before the upgrade
- B. The kickstart image is installed by using the Install all kickstart image system image command
- C. Attempt to simultaneously upgrade more than three cards
- D. Change to the configuration settings or the network connections during the upgrade process

**Answer:** D

**NEW QUESTION 143**

Refer to the exhibit.

```
NEXUS (config)# feature tacacs+
NEXUS (config)# tacacs-server timeout 5
NEXUS (config)# tacacs-server directed-request
NEXUS (config)# tacacs-server deadtime 0
NEXUS (config)# tacacs server host 10.1.50.20 port 49
NEXUS (config)# tacacs-server host 10.1.50.20 key 7 "Flwhg123" timeout 1
NEXUS (config)# aaa group server tacacs+ ISE
NEXUS (config-tacacs+)# server 10.1.50.20
NEXUS (config-tacacs+)# deadtime 10
NEXUS (config-tacacs+)# use-vrf management
NEXUS (config-tacacs+)# source-interface mgmt 0
NEXUS (config)# aaa authentication login default group ISE
```

What is the result of implementing this configuration?

- A. The TACACS+ server uses the type-6 encrypted format.
- B. The switch queries the TACACS+ server by using a clear text PAP login.
- C. The timeout value on the TACACS+ server is 10 seconds.
- D. The switch queries the TACACS+ server by using an encrypted text PAP login.

**Answer:** D

**Explanation:**

tacacs-server key

To configure a global TACACS+ shared secret key, use the tacacs-server key command. To remove a configured shared secret, use the no form of this command.

tacacs-server key [0 | 7] shared-secret Syntax Description

7 (Optional) Configures a preshared key specified in encrypted text to authenticate communication between the TACACS+ client and server.

By default, the Cisco NX-OS device uses Password Authentication Protocol (PAP) authentication between the Cisco NX-OS

device and the remote server. If you enable CHAP, you need to configure your RADIUS or TACACS+ server to recognize the

CHAP vendor-specific attributes (VSAs).

**NEW QUESTION 148**

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 152

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 153

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 156

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 160**

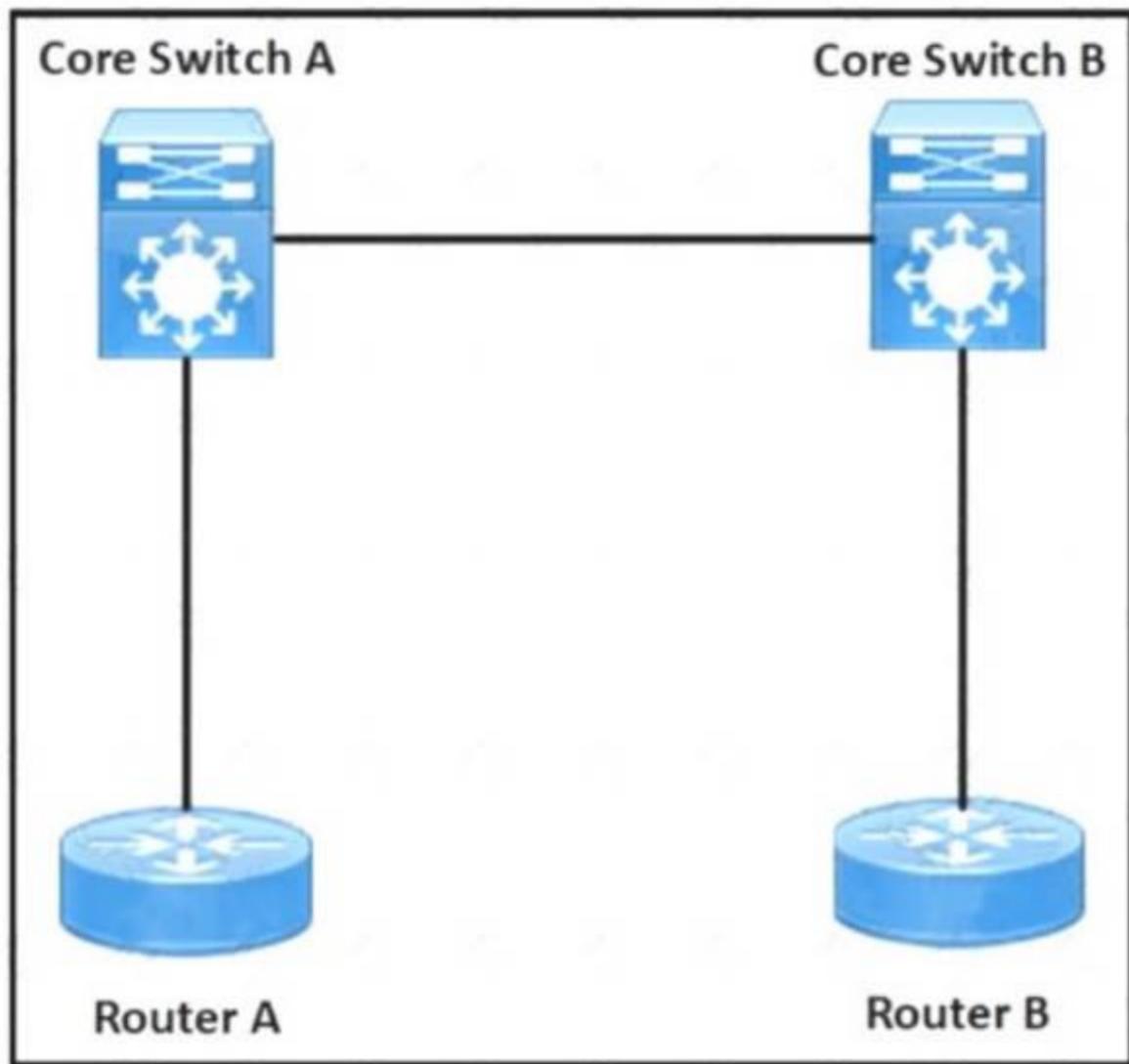
An engineer evaluates a UI-based infrastructure management system capable of monitoring and deploying standardize VXLAN BGP EVPN deployments. The storage administrator else need the solution to manage the cisco MDS 9090 series Switches. Which solution meets these requirements?

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

**Answer: D**

**NEW QUESTION 165**

Refer to the exhibit.



```
feature vn-segment-vlan-based
feature nv overlay

vlan 10
  vn-segment 10010

Interface Loopback0
  ip address 10.10.0.1/32
  ip pim sparse mode
```

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.
 

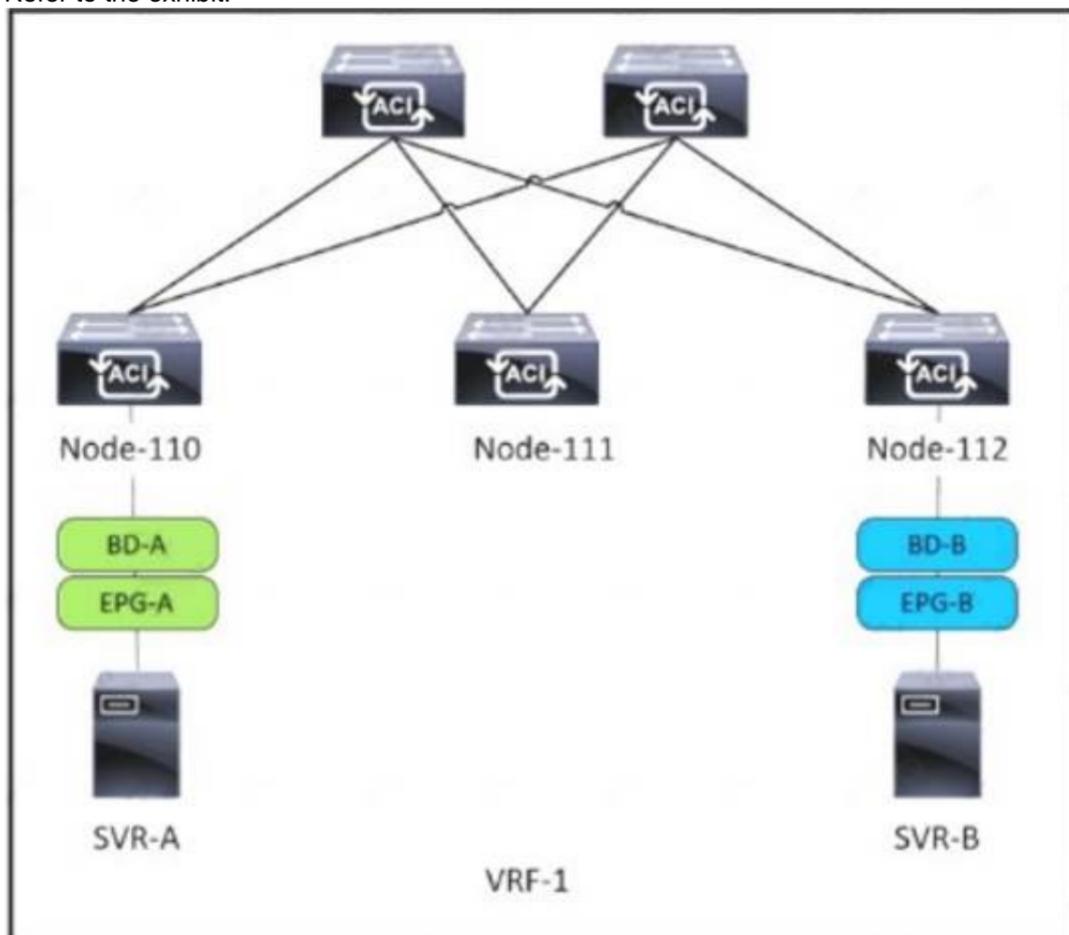
```
system bridge-domain 10
member vni 10010
interface nve1
no shutdown
source-interface lo0
```

- 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 166**

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 167**

An engineer must configure multiple EPGs on a single access port in a large Cisco ACI fabric without using VMM integration. The relevant access policies and tenant policies have been created. A single AAEP is used to configure the access port in the fabric. Which two additional steps must be taken to complete the configuration? (Choose two.)

- A. A contract must be defined between the EPGs
- B. The EPGs must be linked to the correct physical domain
- C. The EPGs must link directly to the corresponding AAEP
- D. The corresponding bridge domains must be configured in legacy mode
- E. The EPGs must be configured as static ports

Answer: BE

**Explanation:**

Attach EPG to Physical Domain (to AAEP through it) and add static ports to EPG  
 Contract is needed to allow communication between two EPGs, or EPG and L3out or between two L3out

**NEW QUESTION 172**

A network engineer must configure a Cisco MDS switch to use the local user database for console access if all AAA servers are unreachable. Which configuration should be applied to complete this task?

- A. aaa authentication login default fallback error local
- B. aaa authentication login console fallback error local
- C. aaa authentication login default local
- D. aaa authentication login console local

**Answer:** B

**NEW QUESTION 173**

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 176**

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 180**

Several production and development database servers exist in the same EPG and IP subnet. The IT security policy is to prevent connections between production and development. Which attribute must be used to assign the servers to different microsegments?

- A. Data center
- B. VMM domain
- C. VM name
- D. IP address

**Answer:** C

**Explanation:**

[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_)

Example: **Microsegmentation with Cisco ACI Within a Single EPG or Multiple EPGs in the Same Tenant**

You might assign web servers to an EPG so that you can apply the similar policies. By default, all endpoints within an EPG can freely communicate with each other. However, if this web EPG contains a mix of production and development web servers, you might not want to allow communication between these different types of web servers. Microsegmentation with Cisco ACI allows you to create a new EPG and autoassign endpoints based on their VM name attribute, such as "Prod-xxxx" or "Dev-xxx".

**NEW QUESTION 185**

Refer to the exhibit.

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

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

- A. Sensor-grp 200 sample-period 30000
- B. Snsr-grp 200 sample-interval 30
- C. Sensor-grp 200 sample-period 30
- D. Snsr-grp 200 sample-interval 30000

Answer: D

**Explanation:**

snsr-grp <id> sample-interval <interval> Currently, sensor group ID supports only numeric ID values. Specify the streaming sample interval value; the value must be in milliseconds. The minimum streaming sample interval that is supported is 30000 milliseconds.  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8\\_x/config/san\\_analytics/cisco-mds9000](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/san_analytics/cisco-mds9000)

**NEW QUESTION 187**

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\\_intersight\\_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_intersight_management.html)

**NEW QUESTION 192**

A network administrator must automate the process of pinging all the IP addresses from the 10.0.0/8 subnet. The subnet is already present in the ARP table of the Cisco Nexus switch. Drag and drop the bash commands to generate the desired output. Not all commands are used.

- A. Mastered
- B. Not Mastered

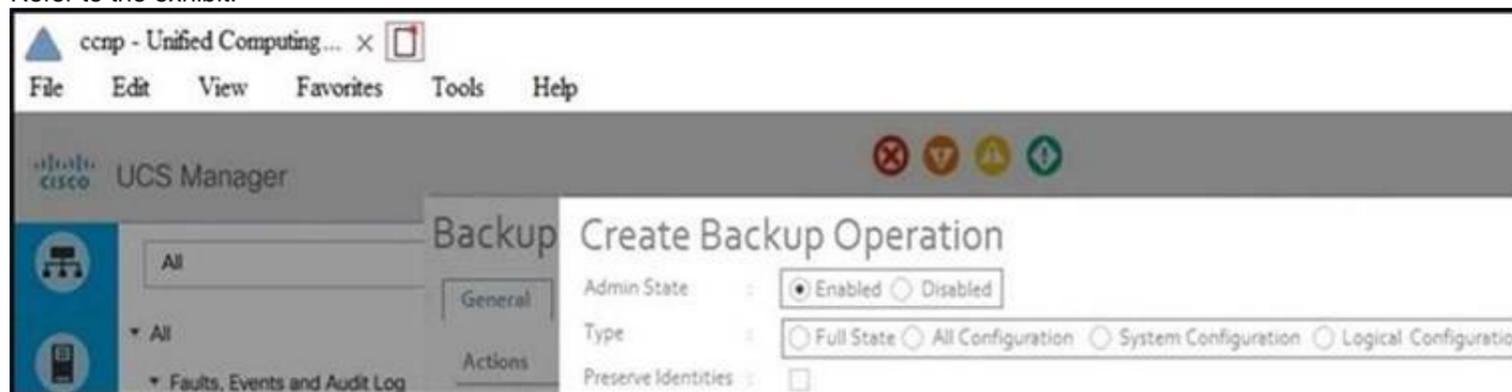
Answer: A

**Explanation:**

vsh -c "show ip arp", awk'{print "ping" \$1}', vsh, egrep "statistics|loss"

**NEW QUESTION 194**

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 196**

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=AOvVaw2j0nnvXiChAoVooxX2Qx0g](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=AOvVaw2j0nnvXiChAoVooxX2Qx0g)

**NEW QUESTION 201**

Refer to the exhibit.

```
monitor fabric session mySession
  description "This is my fabric ERSPAN session"
  destination tenant t1 application appl epg epg1 destination-ip 192.0.20.123 source-ip-prefix 10.0.20.1
  erspan-id 100
  ip dscp 42
  ip ttl 16
  mtu 9216
  exit
source interface eth 1/1 switch 101
  direction tx
  filter tenant t1 bd bdl
  filter tenant t1 vrf vrf1
no shut
```

An engineer needs to implement a monitoring session that should meet the following requirements:

- Monitor traffic from leaf to leaf switches on a Cisco ACI network
- Support filtering traffic from Bridge Domain or VRF

Which configuration must be added to meet these requirements?

- A. interface eth 1/2 switch 101
- B. interface eth 1/2 leaf 101
- C. filter tenant t1 application app1 epg epg1
- D. application epg epg1 app1

**Answer: C**

**NEW QUESTION 203**

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 207**

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 208**

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 210**

An engineer must ensure fabric redundancy when implementing NPV mode on a Cisco MDS 9000 Series Switch. Which action enables fabric redundancy?

- A. Connect the NPV devices to multiple upstream switches.
- B. Add a port channel to upstream switches.
- C. Configure the NPV devices to use on external FLOGI database.
- D. Use TE ports to connect to upstream switches.

**Answer: B**

**NEW QUESTION 215**

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 217

An engineer must configuration a backup and restore of Cisco UCS Manager during the weekend maintenance windows. The configuration must be restored to its original state on Monday morning. The end users can make changes only to the Service Profile configuration. Which set of actions meets these requirements?

- A. Schedule a system backup to run at the start of every weekend and manually import the backup on Monday morning.
- B. Schedule a system backup to run at the start of every weekend and schedule the import of the backup to run on Monday morning
- C. Schedule a logical backup to run at the start of every weekend and manually import the backup on Monday morning.
- D. Schedule a logical backup to run at the start of every weekend and schedule the import of the backup to run on Monday morning.

**Answer: B**

#### NEW QUESTION 220

A network engineer is asked to describe the cloud infrastructure models from the perspective of their operation and access to resources. Drag and drop the descriptions from the left onto the appropriate.

Provisioned for open use.	Private cloud
At least two or more separate cloud infrastructures are connected together to facilitate hosted data and application portability.	Community cloud
Owned, managed, and operated by one or more organizations or teams.	Public cloud
Owned, managed, and operated by a single organization.	Hybrid cloud

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Private Cloud: owned, managed, and operated by a single organization.

Community Cloud: Owned, managed, and operated by one or more organizations or teams. Public Cloud: Provisioned for open use.

Hybrid Cloud: At least two or more separate cloud infrastructures are connected together to facilitate hosted data and application portability.

#### NEW QUESTION 225

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:

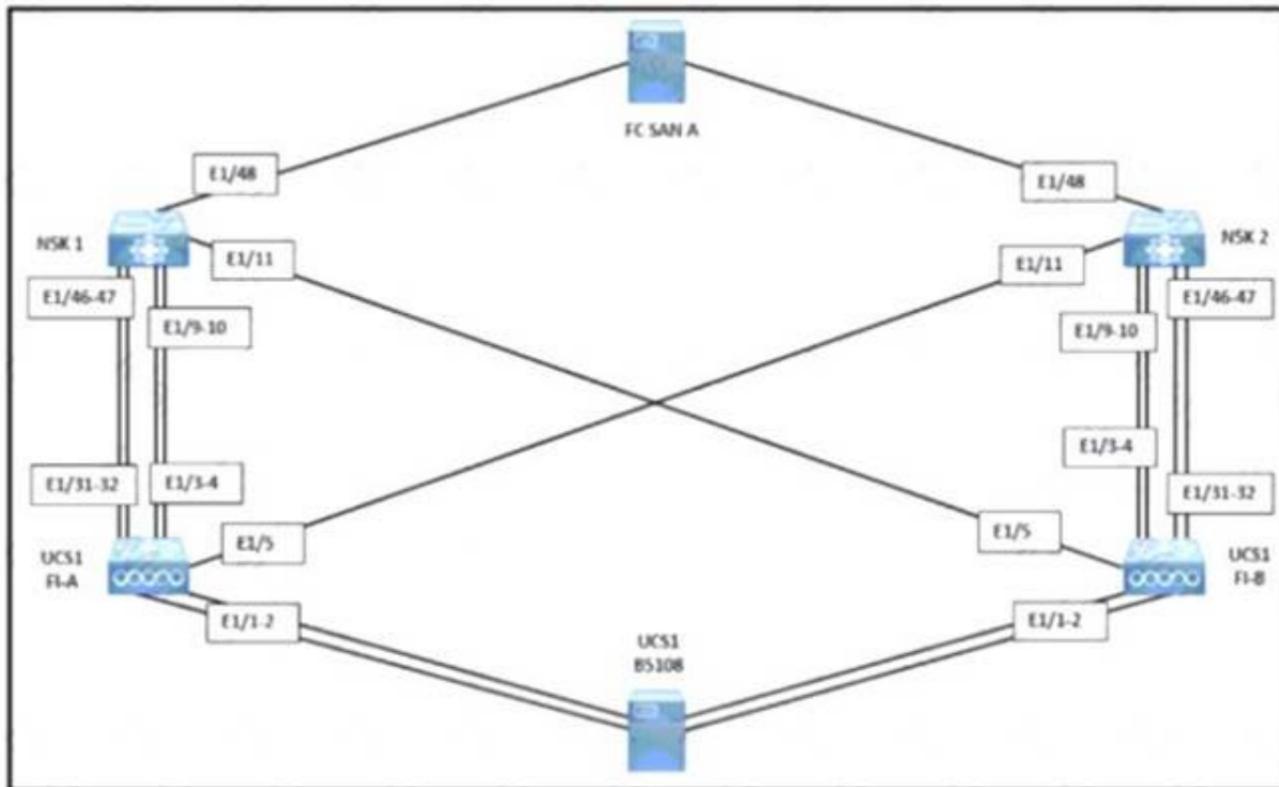
Example

```
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
```

**NEW QUESTION 226**

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 231**

An engineer is asked to use SaaS to manage Cisco computing. Which two items are needed to accomplish the task? (Choose two.)

- A. UCS Manager
- B. Node name/Serial Number
- C. Device/Claim ID
- D. UCS Central
- E. Intersight

**Answer: AE**

**Explanation:**

<https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/intersight/intersight-ds.html>

**NEW QUESTION 235**

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 240**

An engineer is automating a Cisco Nexus 9000 Series Switch using the NX-OS API. Which code snippet creates a local user called "tacuser" with an expiration date of 22 November?

A)

POST http://10.91.12.14/api/mo/sys/userext.json

```

{
  "aaaUserEp": {
    "children": [
      {
        "aaaUser": {
          "attributes": {
            "allowExpired": "no",
            "expiration": "2021-11-22T00:00:00.000+00:00",
            "expires": "yes",
            "name": "tacuser",
            "pwd": "AKw47PS3:g4M410:Fs01",
            "pwdEncryptType": "clear"
          }
        }
      }
    ]
  }
}

```

B)

GET <http://10.12.14.91/api/mo/sys/userext/user-tacuser.json>

```
{
  {
    "aaaUserEp": {
      "attributes": {
        "childAction": "add",
        "dn": "sys/userext",
        "lcOwn": "local",
        "modTs": "2021-11-22T00:00:00.000+00:00",
        "pwdSecureMode": "yes",
        "pwdStrengthCheck": "no",
        "status": "",
        "uid": "0"
      }
    }
  }
}
```

C)

HEAD <http://10.14.91.12/api/policymgr/mo/uni/userext.json>

```
{
  "aaaUser": {
    "name": "tacuser",
    "phone": "",
    "pwd": "H97NW894SDASgQL",
    "expire": "yes",
    "aaaUserDomain": {
      "description": "",
      "name": "all",
      "rn": "userdomain-all"
    }
  }
}
```

PUT <http://10.91.14.12/api/policymgr/mo/uni/>

```
{
  "aaaUser": {
    "email": "tacuser@cisco.com",
    "name": "tacuser",
    "createdAt": "2020-09-11T00:00:00.090210Z",
    "authorizations": {
      "authorizedZone": "VDC1",
      "expiresAt": "2021-11-22T00:00:00.000+00:00",
      "authorizedByName": "OPS",
      "authorizedByEmail": "ops@company.com"
    }
  }
}
```

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

**Answer:** A

#### NEW QUESTION 241

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?

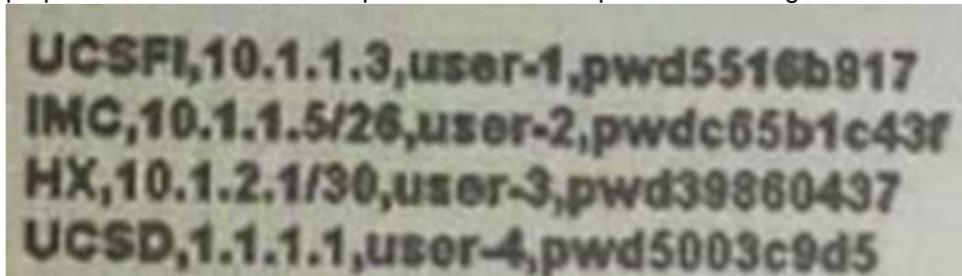
- tclsh  
 foreach address {  
 192.168.254.1  
 192.168.254.2  
 192.168.254.3  
 192.168.254.4  
 } {ping \$address source 192.168.254.254  
 }  
 tclquit
- tclsh  
 foreach address {  
 192.168.254.1  
 192.168.254.2  
 192.168.254.3  
 192.168.254.4  
 } {ping \$address source 192.168.254.254  
 }
- 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 243**

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:



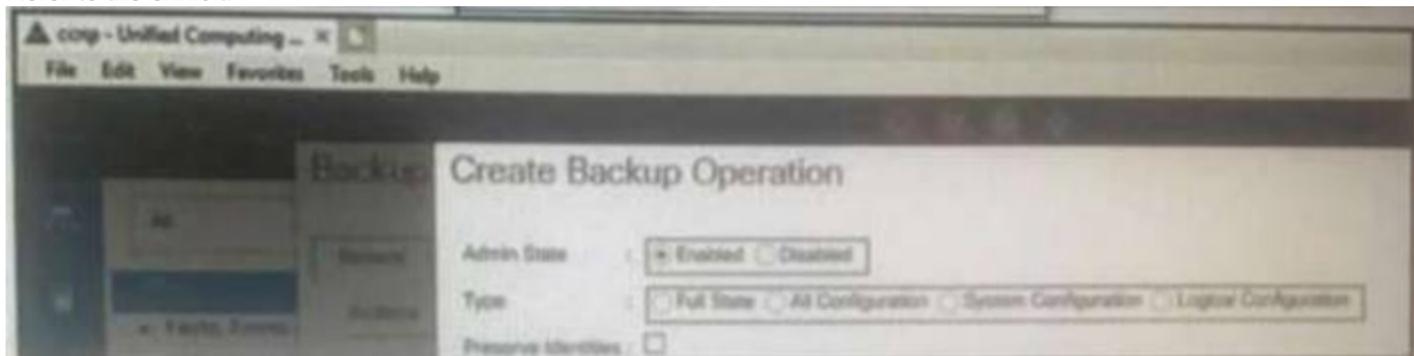
Which Information must be included In the comma-separated value flit to provision the targets?

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

**Answer:** A

**NEW QUESTION 245**

Refer to the exhibit.



Which backup operation type not include the preserve identities feature?

- A. Full state
- B. Logical configuration
- C. System configuration
- D. All configuration

**Answer:** A

**NEW QUESTION 247**

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 248**

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 253**

Refer to the exhibit.

```

int fc1/1-2
switchmode rate dedicated
channel-group 100 force
no shut

int san-port-channel 100
switchport trunk allowed vsan 1
switchport trunk allowed vsan add 100
  
```

An engineer is connecting a Cisco MDS 9700 Series Multilayer Director to a downstream Cisco Nexus 5672UP switch. Which command set must be used to complete the configuration?

A)

```
int san-port-channel 100
switchport mode te
switchport trunk mode off
channel mode on
```

B)

```
int san-port-channel 100
switchport mode te
switchport trunk mode auto
channel mode on
```

C)

```
int san-port-channel 100
switchport mode e
switchport trunk mode on
channel mode active
```

D)

```
int port-channel 100
switchport mode e
switchport trunk mode on
channel mode active
```

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

**Answer:** A

#### NEW QUESTION 258

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 261

An engineer is implementing OTV on a transport that supports multicast. The solution needs to meet the following requirements:

- Establish adjacency to the remote peer by using multicast.
- Enable OTV advertisements for VLAN 100 to the other site.

Which two commands should be configured to meet these requirements? (Choose two.)

- A. otv site-vlan 100
- B. otv data-group 232.2.2.0/28
- C. otv use-adjacency-server 172.27.255.94
- D. otv extend-vlan 100
- E. otv control-group 232.1.1.1

**Answer:** DE

#### Explanation:

[https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide\\_c07-728315](https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-7000-series-switches/guide_c07-728315)  
[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx-os/OTV/config\\_guide/b\\_Cisco\\_Nexus\\_7000\\_](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx-os/OTV/config_guide/b_Cisco_Nexus_7000_)

**NEW QUESTION 264**

A company plans to deploy a Cisco HyperFlex solution for data-intensive applications and databases. The proposed solution should offer the highest performance with high consistency and low latency. Which Cisco HyperFlex storage configuration should be used?

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

**Answer: B**

**NEW QUESTION 265**

A customer asks an engineer to develop an orchestration solution to automate repetitive tasks. The customer operations team must integrate the tool with its existing automation framework. The customer asks for the tool to support these requirements:

- The customer's security requirements mandate the use of SSH transport.
- No extra software must be installed on the managed systems.
- The support staff has limited knowledge of scripting languages, so the solution must be easy to read and use declarative language.

Which solution meets these requirements?

- A. PowerShell
- B. Ansible
- C. Chef
- D. Puppet

**Answer: B**

**NEW QUESTION 268**

An engineer must configure HTTPS secure management for Cisco UCS Manager using a key ring named kr2016 and a key size of 1024 bits. The environment consists of a primary fabric interconnect named UCS-A and a secondary fabric interconnect named UCS-B. Which command sequence must be used to accomplish this goal?

- UCS-B# scope security  
 UCS-B /security # keyring kr2016  
 UCS-B /security/keyring\* # set mod mod1024  
 UCS-A /security/keyring\* # commit-buffer
- UCS-A# scope security  
 UCS-A /security # create keyring kr2016  
 UCS-A /security/keyring\* # set modulus mod1024  
 UCS-A /security/keyring\* # commit-buffer
- UCS-B# scope security  
 UCS-B /security # create keyring kr2016  
 UCS-B /security/keyring\* # set size mod1024  
 UCS-A /security/keyring\* # commit-buffer
- UCS-A# scope security  
 UCS-A /security # keyring name kr2016  
 UCS-A /security/keyring\* # set size 1024  
 UCS-A /security/keyring\* # commit-buffer

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

**Answer: B**

**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)

```
UCS-A# scope security
UCS-A /security # create keyring kr220
UCS-A /security/keyring* # set modulus mod1024
UCS-A /security/keyring* # commit-buffer
UCS-A /security/keyring #
```

**NEW QUESTION 273**

An engineer is performing an ISSU upgrade on the Cisco MDS 9000 Series Switch. What is the impact on the control plane of the switch?

- A. It remains down until the next reboot.
- B. It remains up throughout the update.
- C. It remains down for more than 80 seconds but less than 140 seconds.
- D. It is down for less than 80 seconds.

Answer: D

**NEW QUESTION 276**

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 277**

Refer to the exhibit.

```

ACI-Leaf1# show ip route vrf DATACENTER:DC

10.20.1.0/24, ubest/mbest: 1/0, attached, direct, pervasive

    *via 10.0.8.65%overlay-1, [1/0], 4w3d, static

172.16.100.0/24, ubest/mbest: 1/0

    *via 10.1.168.95%overlay-1, [200/5], 3wod, bgp-132, internal, tag 132 (mpls-vpn)

172.16.99.0/24, ubest/mbest: 1/0

    *via 10.0.1.14, [20/0], 3wod, bgp-132, external, tag 200
    
```

Which two statements describe the routing table of the leaf switch? (Choose two.)

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

Answer: CE

**NEW QUESTION 281**

An engineer is performing a configuration on a Cisco Nexus 5000 Series Switch. The requirement is for the current Fibre Channel IDs in VSAN 120 to be saved across reboots. The Cisco environment also must integrate with a third-party solution that requires persistent Fibre Channel IDs for the VSAN. The WWN of the Cisco switch must be 33:e8:00:05:30:00:16:df and its Fibre Channel ID 0x070128. Which command set meets these requirements?

- fabric-binding database vsan 120  
vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128
- vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128  
fcdomain fcid preserve vsan 120
- vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128  
fabric-binding activate vsan 120  
purge fcdomain fcid vsan 4
- fcdomain fcid database  
vsan 120 wwn 33:e8:00:05:30:00:16:df fcid 0x070128  
fcdomain fcid persistent vsan 120

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

Answer: D

**NEW QUESTION 284**

Which storage protocol reduces file locks by using leasing?

- A. CIFS
- B. NFS 4
- C. NFS 3
- D. SMB

Answer: D

**Explanation:**

<https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2016/pdf/BRKCOM-1211.pdf>

- **SMB Directory Leasing**
  - Ability to cache file and directory metadata
  - Branch offices need to make less round trips to the central server

**NEW QUESTION 286**

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?

- n7k-1(config)# ip dhcp snooping vlan 10  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping trust
- n7k-1(config)# ip dhcp snooping vlan 10  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping verify vlan 10
- n7k-1(config)# ip dhcp snooping verify  
n7k-1(config)# interface Ethernet2/4  
n7k-1(config-if)# ip dhcp snooping verify vlan 10
- 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 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. 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

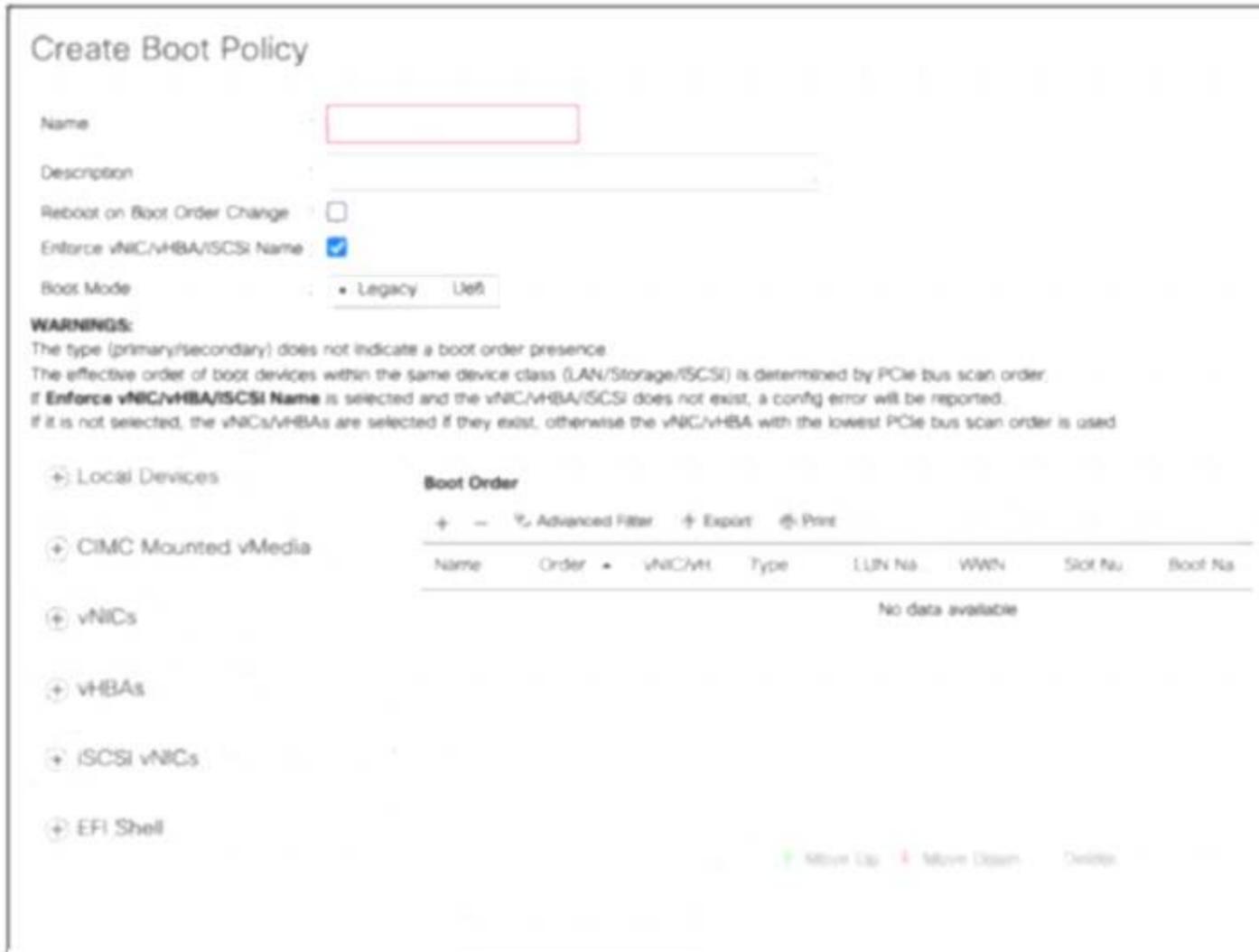
### User Locales

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 296**

Refer to the exhibit.



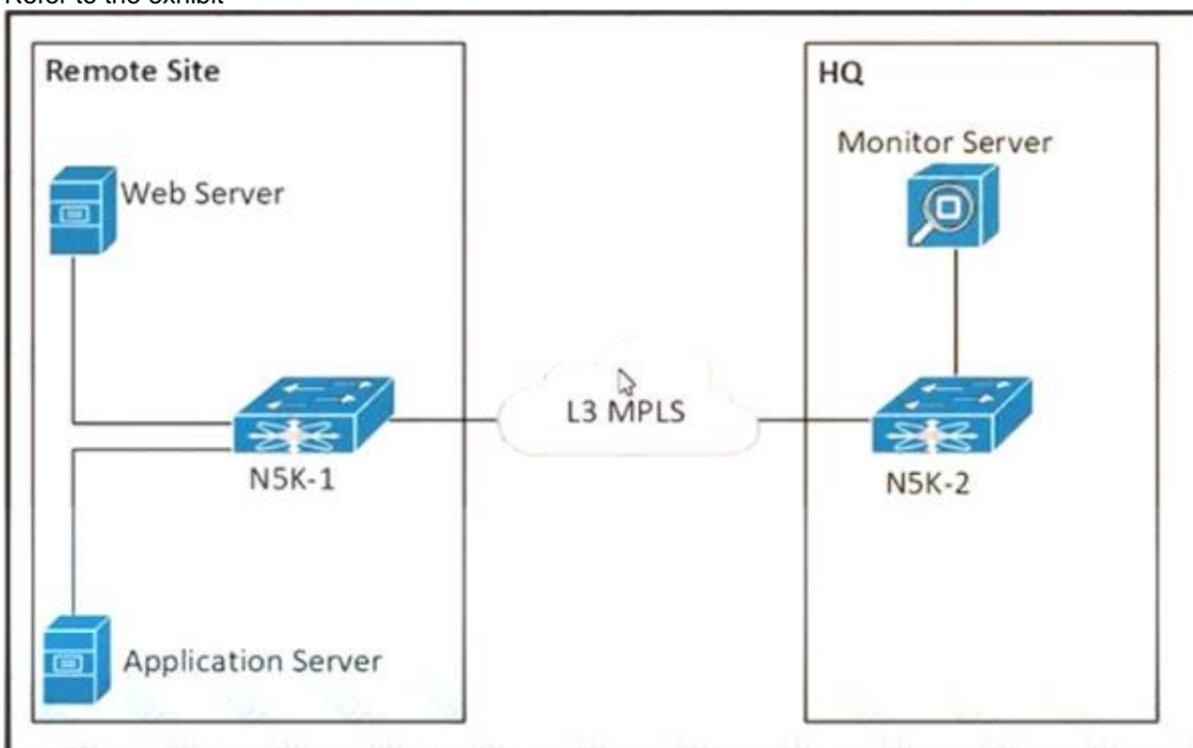
An engineer installs a new Cisco UCS B-Series server. The requirement is to install an operating system on a LUN that is provided by the Fibre Channel storage array. Which two steps must be configured in the boot policy to accomplish this goal? (Choose two.)

- A. Disable Enforce vNIC/vHBA/iSCSI Name
- B. Add Local CD/DVD and SAN Boot.
- C. Configure a SAN Boot Target with a WWPN
- D. Set Boot Order to External USB and LAN Boot
- E. Create (SCSI VNICS and add Local LUN

Answer: AD

**NEW QUESTION 300**

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 302**

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 307**

An engineer is implementing FCoE. Which aspect of DCBXP on a Cisco Nexus switch affects this implementation?

- A. It uses the Cisco Fabric Services protocol to exchange parameters between two peer links.
- B. It always is enabled on 10/100-Mbps native Ethernet ports.
- C. It provides the authentication of peers on the Cisco Nexus switch.
- D. It requires that LLDP transmit and LLDP receive are enabled on the FCoE interface.

**Answer:** D

**Explanation:**

The Data Center Bridging Exchange Protocol (DCBXP) is an extension of LLDP. It is used to announce, exchange, and negotiate node parameters between peers. DCBXP parameters are packaged into a specific DCBXP TLV. This TLV is designed to provide an acknowledgement to the received LLDP packet. DCBXP is enabled by default, provided LLDP is enabled. DCBXP is disabled on ports where LLDP transmit or receive is disabled.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/layer2/503\\_n2\\_1/b\\_Cisco\\_n5k\\_layer2](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/layer2/503_n2_1/b_Cisco_n5k_layer2)

**NEW QUESTION 311**

Refer to the exhibit.

```
Step 20 Enter no (no is the default) if you are satisfied with the configuration.

The following configuration will be applied:

switchname CiscoMDS
 interface mgmt0
   ip address 192.168.10.10
   subnetmask 255.255.255.0
   no shutdown
 ip default-gateway 192.168.10.1
 telnet server enable
 no ssh server enable
 no system default switchport shutdown
 system default switchport trunk mode on
 no zone default-zone permit vsan 1-4093
 zoneset distribute full vsan 1-4093
Would you like to edit the configuration? (yes/no) [n]: no

Step 21 Enter yes (yes is default) to use and save this configuration.

Use this configuration and save it? (yes/no) [y]: yes
```

An engineer is configuring a Cisco MDS 9000 Series Switch for the first time. After the initial setup process, the name server at IP 192.168.10.11 is missing from the configuration. Which set of actions completes the configuration?

- A. Enter no at step 21 and reinitialize the install
- B. Press the Esc key to access ROMMON mode.
- C. Enter no at step 21 and reload the switch
- D. Configure the advanced IP options.
- E. Enter yes at step 21 to edit the configuration
- F. Add the line dns-server 192.168.10.11.
- G. Enter yes at step 21 and log in
- H. Modify the startup configuration DNS

**Answer:** B

**NEW QUESTION 314**

An engineer must affirm the identity of the Cisco UCS Manager after a valid CA-signed keyring for HTTPS access is created. Which action completes the configuration?

- A. Set Cipher Suite Mode
- B. Create a trusted point
- C. Implement SSLv3
- D. Enable TLSv1.2

**Answer:** B

**NEW QUESTION 318**

Which mroute state is created when Bidirectional PIM is deployed at a site?

- A. MVPN Type-6
- B. \*,G
- C. MVPN Type-7
- D. S,G

**Answer:** B

**Explanation:**

Bidirectional PIM has been invented for networks where we have many sources and receivers talking to each other. PIM Sparse mode RP builds 2 entries \*, G and S, G but when we use PIM bidirectional mode, the RP will never build a S,G entry and, it only allow the \*,G entry.

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti\\_pim/configuration/xe-16-5/imc-pim-xe-16-5-book/im](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti_pim/configuration/xe-16-5/imc-pim-xe-16-5-book/im) and <https://networklessons.com/multicast/multicast-bidirectional-pim>

**NEW QUESTION 321**

A network engineer needs a tool to automate the provisioning of Cisco UCS Service Profiles. The administrator has limited programming knowledge but is skilled with scripting tools. The tool must include existing support for Cisco UCS configuration. Additionally, the administrator will eventually use the solution to manage Cisco UCS C-Series Rack Servers. Which tool meets these requirements?

- A. Cisco DCNM
- B. Python scripts
- C. PowerShell
- D. Bash scripts

**Answer:** C

**NEW QUESTION 326**

Drag and drop the NAS features from the left onto the NAS descriptions on the right. Not all features are used

block-based data storage	storage type
Ethernet protocol	clustering type
FCoE	connectivity type
file-based data storage	serving protocol type
Fibre Channel protocol	
stripe data and metadata across nodes	
UPnP	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A screenshot of a computer Description automatically generated with medium confidence

[https://en.wikipedia.org/wiki/Network-attached\\_storage](https://en.wikipedia.org/wiki/Network-attached_storage)

**NEW QUESTION 331**

A small remote office is set to connect to the regional hub site via NSSA ASBR. Which type of LSA is sent to the remote office OSPF area?

- A. type 7 LSA

- B. type 3 LSA
- C. type 1 LSA
- D. type 5 LSA

**Answer:** A

**NEW QUESTION 334**

An engineer performs a set of configuration changes for the vPC domain using Session Manager. Which two commands are used to verify the configuration and apply the device changes when no errors are returned?  
 (Choose two)

- A. write
- B. verify
- C. commit
- D. checkpoint
- E. apply

**Answer:** BC

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/system\\_management/configuration](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/system_management/configuration)

### Verifying a Session

Use the following command in session mode to verify a session:

Command	Purpose
<b>verify</b> [verbose] Example: switch(config-s)# verify	Verifies the configuration as a whole, based on the existing hardware and software configuration and resources. Cisco NX-OS returns an error if the configuration does not pass this verification.

### Committing a Session

Use the following command in session mode to commit a session:

Command	Purpose
<b>commit</b> [verbose] Example: switch(config-s)# commit	Validates the configuration changes made in the current session and applies valid changes to the device. If the validation fails, Cisco NX-OS reverts to the original configuration.

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

**NEW QUESTION 336**

Which component is excluded by default from the host firmware package?

- A. network interface controller
- B. board controller
- C. storage controller
- D. local disk

**Answer:** D

**NEW QUESTION 341**

A DevOps engineer must implement a bash script to query a REST API and return the available methods. Which code snippet completes the script?

```
curl -i -X --missing code-- http://api.cisco.com:8080/api -u admin:xT41M5P3X425VOE71NB5D
```

- A. DELETE
- B. TRACE
- C. POST
- D. OPTIONS

**Answer:** C

### NEW QUESTION 342

An engineer implements a Python script inside a Cisco Bash shell. The script contains this dictionary object:

```
switch_id_list = {
    "N9K-Spine-1": "842534699747",
    "N9K-Leaf-1": "126784690",
    "N9K-Leaf-2": "56556473"
}
```

Which command must be used to add the 'NSK-Spine-2': '1498323434' element to the switch\_id list dictionary?

- switch\_id\_list = [{"N9K-Spine-2": "1498323434"}]
- switch\_id\_list.update({"N9K-Spine-2": "1498323434"})
- switch\_id\_list.append({"N9K-Spine-2": "1498323434"})
- switch\_id\_list += {"N9K-Spine-2": "1498323434"}

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

**Answer: C**

### NEW QUESTION 347

Due to a domain name change at a customer site, a Cisco UCS cluster must be renamed. An engineer must recommend a solution to ensure that the Cisco UCS Manager is available over HTTPS. Which action accomplishes this goal?

- A. Reinstall the cluster to generate the default key ring certificate
- B. Generate a new default key ring certificate from the Cisco UCS Manager
- C. Reboot the SSO component of the Cisco UCS Manager
- D. Regenerate the default key ring certificate manually

**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)

The default key ring certificate must be manually regenerated if the cluster name changes or the certificate expires.

### NEW QUESTION 352

Refer to the exhibit.

```
import time
import cli

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

Which command needs to be added to the line starting with the "file" keyword to have the generated running-config file with the name 'fusion-config\_' and current date?

- A. string(Cfusion-config\_) + date)
- B. ('fusion-config) + date
- C. str.fusion-config) + date
- D. (\*fusion-config\_ \* date')

**Answer: B**

### NEW QUESTION 355

Refer to the exhibit.

```
Nexus(config)# show checkpoint summary
User Checkpoint Summary
-----
1) BeforeL3:
Created by admin
Created at Mon, 15:25:08 31 Dec 2018
Size is 9,345 bytes
Description: None

System Checkpoint Summary
-----
2) system-fm-vrrp:
Created by admin
Created at Fri, 09:57:02 14 Jun 2019
Size is 20,865 bytes
Description: Created by Feature Manager.

3) system-fm-hsrp_engine:
Created by admin
Created at Fri, 09:57:28 14 Jun 2019
Size is 20,852 bytes
Description: Created by Feature Manager.
```

What is the reason the system-fm-vrrp checkpoint was created?

- A. The VRRP service restarted and the checkpoint was automatically created.
- B. The network administrator manually created it.
- C. The VRRP process crashed and the checkpoint was automatically created.
- D. The VRRP-enable feature has been disabled.

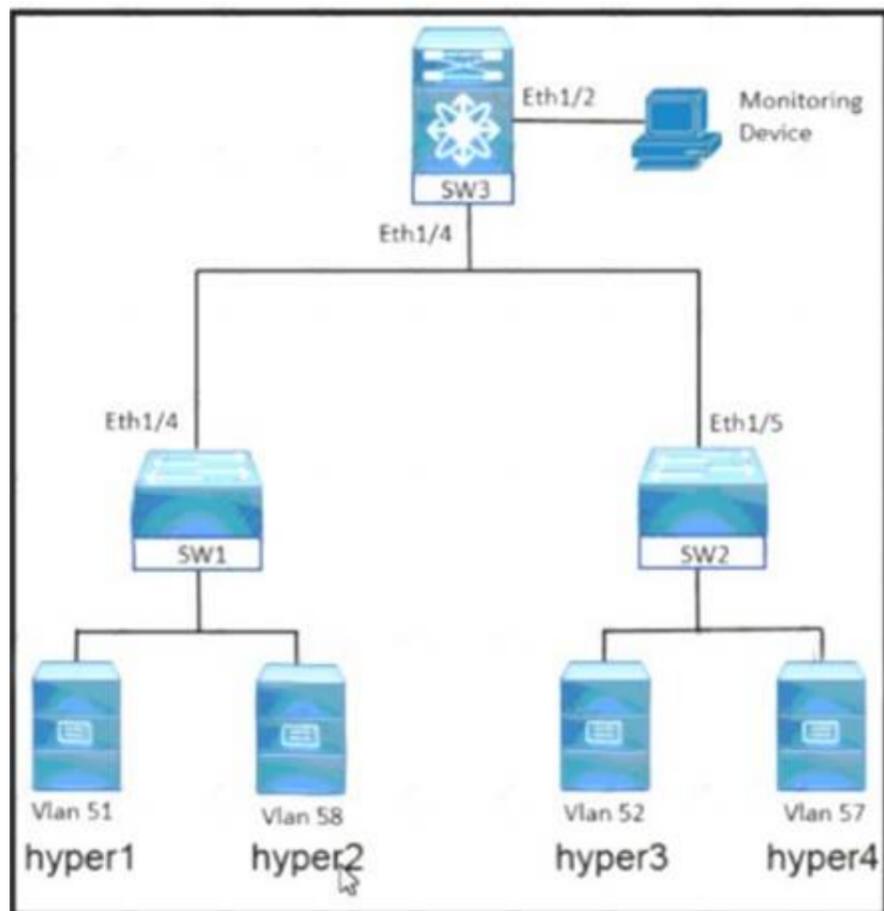
**Answer:** D

**Explanation:**

automatically created by the Nexus when the vrrp feature is disabled

**NEW QUESTION 358**

Refer to the exhibit.



An engineer must monitor the Ethernet port and the corresponding VLAN traffic for the hyper4 device The SW3 device is a Cisco Nexus 7000 Series Switch Drag and drop the code snippets from the right into the boxes in the configuration to meet these requirements.

```
!SW3 configuration

interface ethernet 1/2
  switchport [ ]

monitor session 2
  source interface [ ]
  destination interface [ ]
  source [ ]
```

- vlan 57
- ethernet 1/2
- ethernet 1/4
- monitor
- interface vlan 57

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface Description automatically generated

**NEW QUESTION 359**

An engineer must configure two Cisco Nexus 7000 series switches in the same data center to support OTV. Which command set completes the join interface configuration?

An engineer must configure two Cisco Nexus 7000 Series switches in the same data center to support OTV. Which command set completes the join interface configuration?

```
feature otv
otv site-identifier 256
interface overlay 1
otv control-group 239.1.1.1
otv data-group 239.1.1.0/29
otv join-interface ethernet 2/1
otv extend-vlan 5-10
no shutdown
```

- Edge Device 1  
**interface ethernet 2/1**  
**ip address 192.0.2.1/24**  
**ip igmp version 3**
  
- Edge Device 2  
**interface ethernet 2/1**  
**ip address 192.0.2.16/24**  
**ip igmp version 3**
  
- Edge Device 1  
**interface ethernet 2/1**  
**ip address 192.0.2.1/24**  
**ip igmp version 3**  
**ip pim sparse-mode**
  
- Edge Device 2  
**interface ethernet 2/1**  
**ip address 192.0.2.16/24**  
**ip igmp version 3**  
**ip pim sparse-mode**
  
- Edge Device 1  
**interface ethernet 2/1**  
**ip address 192.0.2.1/24**
  
- Edge Device 2  
**interface ethernet 2/1**  
**ip address 192.0.2.16/24**
  
- Edge Device 1  
**interface ethernet 2/1**  
**ip address 192.0.2.1/24**  
**ip igmp version 3**
  
- Edge Device 2  
**interface ethernet 2/1**  
**ip address 192.0.2.1/24**  
**ip igmp version 3**

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

Answer: A

**NEW QUESTION 361**

Refer to the exhibit.

```
event manager applet ConfigMgmt
  event cli match "copy run start"
  action 1 syslog priority warnings msg Configuration Modified
```

An engineer logs all occurrences of a configuration being saved. The engineer must generate an additional log message when someone attempts to change the configuration for interface Ethernet 1/1. Which set of commands must be used to meet these requirements?

- event manager applet ConfigMgmt**  
**event cli tag eth match "interface Ethernet1/1"**  
**event cli tag copy match "copy run start"**  
**event cli tag conf match "configure terminal"**  
**tag conf or eth or copy happens 2 in 3**  
**action 1 syslog priority warnings msg Configuration Modified**  
**action 2 event-default**

event manager applet ConfigMgmt  
 event cli tag eth match "configure terminal ; interface Ethernet1/1"  
 event cli tag copy match "copy run start"  
 tag eth or copy happens 1 in 2  
 action 1 syslog priority warnings msg Configuration Modified  
 action 2 event-default

event manager applet ConfigMgmt  
 event cli tag eth match "interface Ethernet1/1"  
 event cli tag copy match "copy run start"  
 event cli tag conf match "configure terminal"  
 tag conf and eth or copy happens 1 in 4294967295  
 action 1 syslog priority warnings msg Configuration Modified

event manager applet ConfigMgmt  
 event cli tag eth match "configure terminal ; interface Ethernet1/1"  
 event cli tag copy match "copy run start"  
 tag eth and copy happens 1 in 2  
 action 1 syslog priority warnings msg Configuration Modified

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

**Answer: D**

**NEW QUESTION 366**

Which file service protocol allows the files to appear locally mapped to the client and provides view, store, and update capabilities on a remote Linux-based storage repository that also serves as a distributed file system standard for NAS?

- A. NFS
- B. FTP
- C. iSCSI
- D. IFS

**Answer: D**

**NEW QUESTION 370**

A network engineer must restore the running configuration on a Cisco Nexus 5000 Series Switch to an existing snapshot called "stable1". The restore procedure should proceed only if no errors occur. Which configuration should be used to accomplish this goal?

- rollback running-config checkpoint stable1 best-effort
- rollback checkpoint stable1 best-effort running-config atomic
- rollback checkpoint stable1 best-effort running-config best-effort
- rollback running-config checkpoint stable1 atomic

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

**Answer: D**

**NEW QUESTION 372**

An engineer must design an automation solution for the Cisco ACI Fabric to speed up the deployment of logical network elements for tenant provisioning. When creating a solution, the engineer must keep in mind that the tool must support these requirements:

- > Allow the rapid creation and removal of logical containers.
  - > Support the creation of custom modules and data structures.
  - > Be extensible with external libraries and modules.
  - > Allow rapid testing of code using an on-demand execution environment.
- Which automation tool meets these requirements?

- A. YAML
- B. Chef
- C. SaltStack
- D. Python

**Answer: B**

**NEW QUESTION 374**

An engineer is implementing NPV mode on a Cisco MDS 9000 Series Switch. Which action must be taken?

- A. The FCNS database must be disabled in the fabric.
- B. A port channel must be configured to the upstream switch.
- C. All switches in the fabric must be Cisco MDS switches.
- D. NPIV must be enabled on the upstream switch.

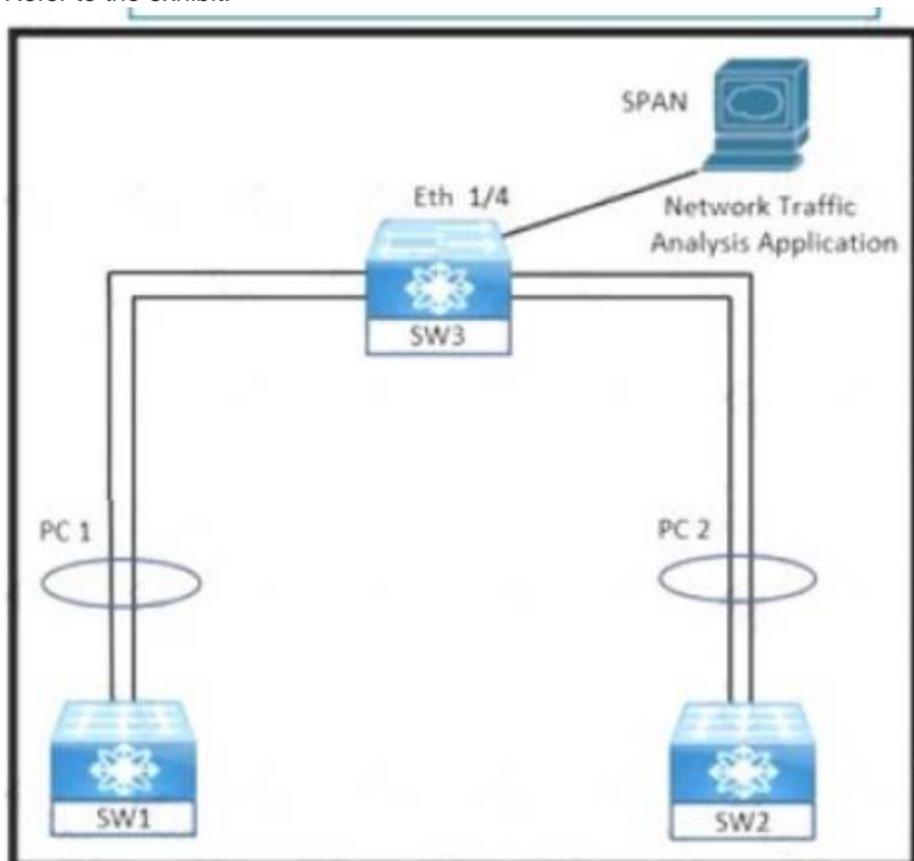
**Answer: D**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5\\_0/configuration/guides/int/nxos/cli\\_i](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/int/nxos/cli_i)

**NEW QUESTION 378**

Refer to the exhibit.



An engineer must monitor ingress traffic from SW1 and SW2 port-channel interfaces from SW3. Which configuration must be implemented to accomplish this goal?

A)

```
SW3# configure terminal
SW3(config)# source interface port-channel 1 rx
SW3(config)# source interface port-channel 2 tx

SW3(config)# interface ethernet 1/4
SW3(config-if)# destination interface ethernet 1/4
SW3(config-if)# exit
```

```
SW3(config)# interface Port-channel 1-2
SW3(config-if)# switchport monitor
SW3(config-if)# exit
```

B)

```
SW3# configure terminal
SW3(config)# monitor session 2
SW3(config-monitor)# source interface port-channel 1 tx
SW3(config-monitor)# source interface port-channel 2 tx
```

```
SW3(config)# interface Port-channel 1
SW3(config-if)# switchport monitor
SW3(config-if)# exit
```

```
SW3(config)# interface Port-channel 2
SW3(config-if)# switchport monitor
SW3(config-if)# exit
```

C)

```
SW3# configure terminal
SW3(config)# monitor session 2
SW3(config-monitor)# source interface port-channel 1 tx
SW3(config-monitor)# source interface port-channel 2 rx
```

```
SW3(config)# interface port-channel 1
SW3(config-if)# switchport monitor
SW3(config-if)# exit
```

```
SW3(config)# interface port-channel 2
SW3(config-if)# switchport monitor
SW3(config-if)# exit
```

D)

```
SW3# configure terminal
SW3(config)# monitor session 2
SW3(config-monitor)# source interface port-channel 1 rx
SW3(config-monitor)# source interface port-channel 2 rx

SW3(config)# interface ethernet 1/4
SW3(config-if)# switchport monitor
SW3(config-if)# exit

SW3(config)# monitor session 2
SW3(config-monitor)# destination interface ethernet 1/4
```

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

**Answer: D**

**NEW QUESTION 381**

A network engineer must implement RBAC on Cisco MDS 9000 Series Multilayer Switches. Drag and drop the Cisco MDS 9000 Series roles from the left onto the correct categories on the right.

san-operator	<div style="background-color: #FFD700; padding: 2px;">System Defined</div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div>
global-admin	
server-admin	
storage-admin	
network-admin	
network-operator	
	<div style="background-color: #FFD700; padding: 2px;">User Defined</div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div> <div style="border: 1px solid #FFD700; height: 20px; margin-bottom: 2px;"></div>

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Graphical user interface Description automatically generated with low confidence  
[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\\_UCSM\\_Admin\\_Mgmt\\_Guide\\_chapter\\_01.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_UCSM_Admin_Mgmt_Guide_chapter_01.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#con\\_1422305](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#con_1422305)

**NEW QUESTION 386**

An engineer must configure a VDS port group using APIC policy. The requirements are for the frames to be mapped to a particular Layer 2 network and for the virtual machine assigned to the port group to receive all frames passed on the virtual switch. Which two settings must be used to meet these requirements? (Choose two.)

- A. forged transmits
- B. VMDirectPath
- C. port binding
- D. promiscuous mode
- E. VLAN

**Answer: CD**

**NEW QUESTION 387**

.....

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